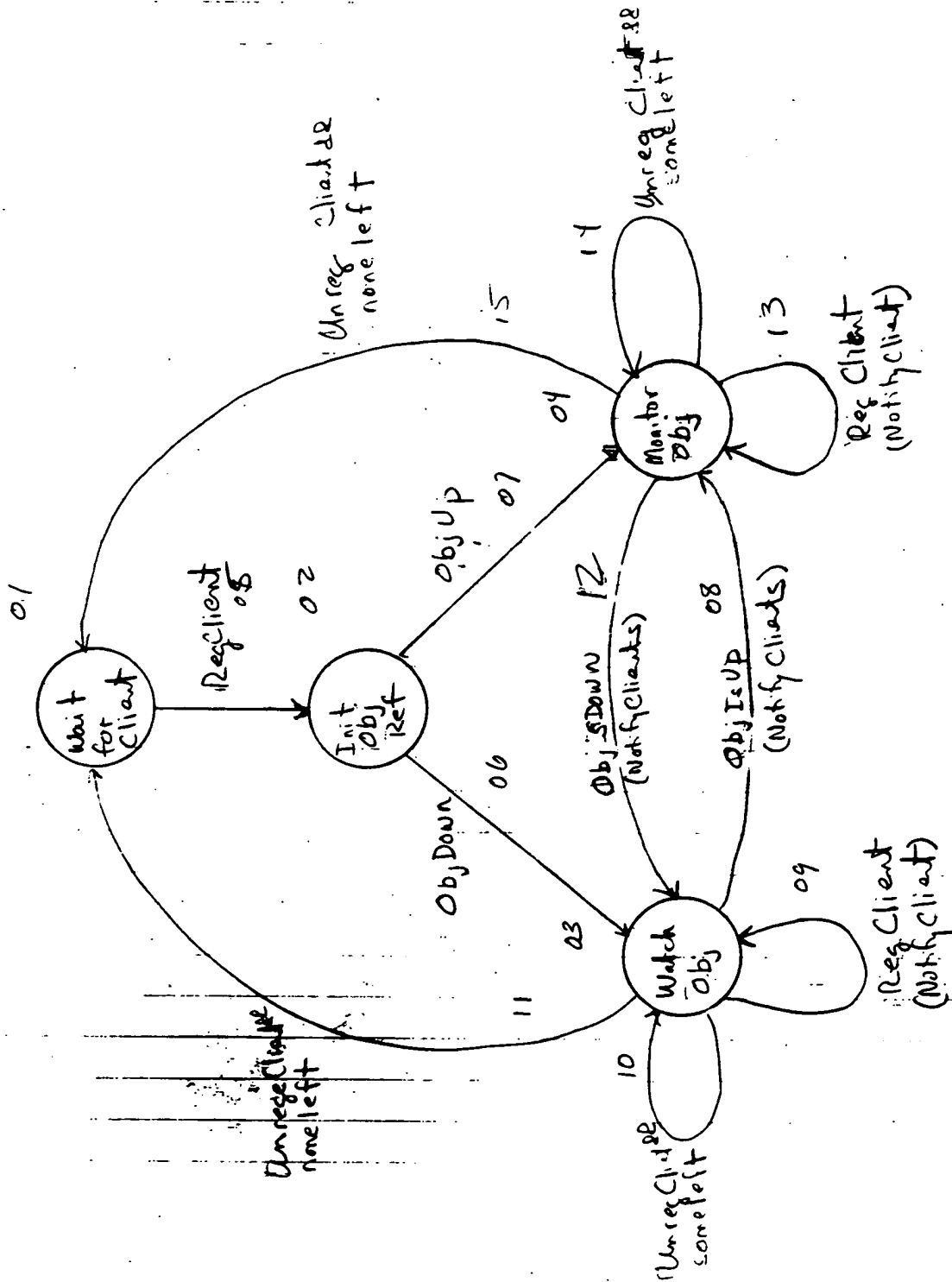


[illegible]
$$\begin{matrix} \nearrow \\ \infty \\ \text{Li} \end{matrix}$$

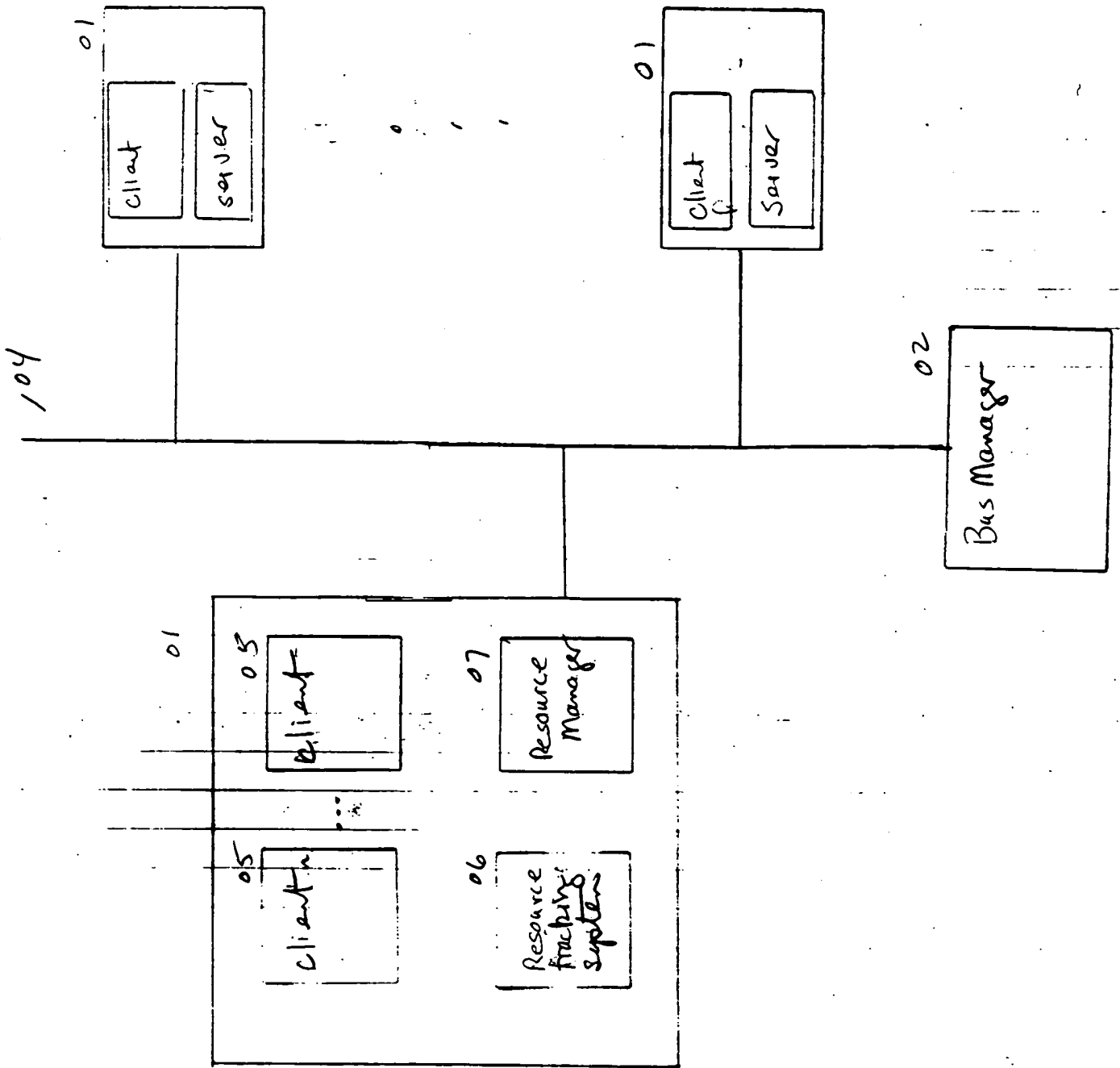
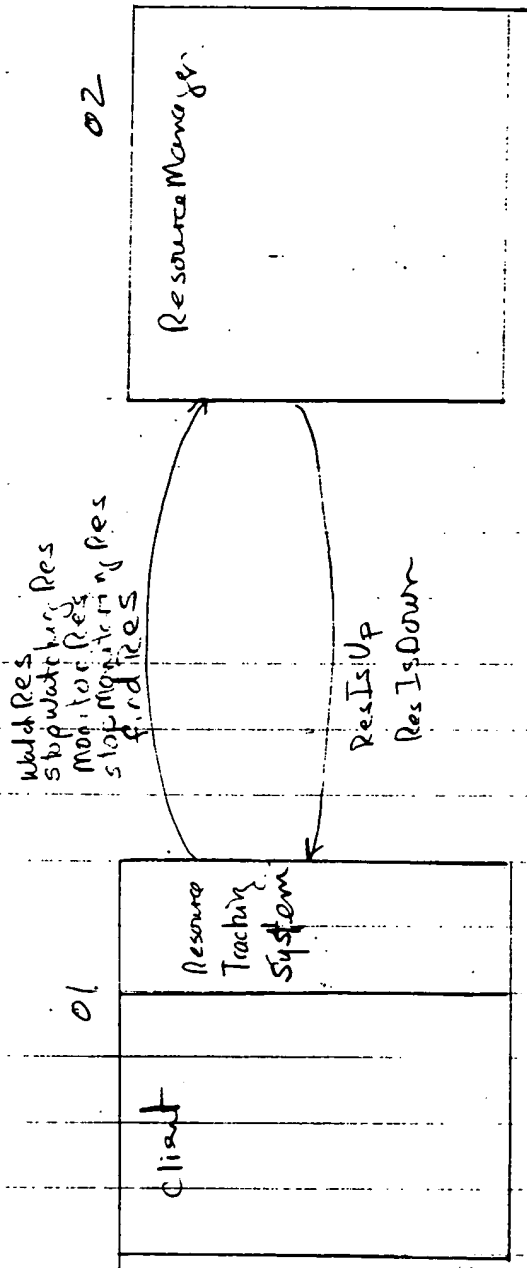


Fig 2

1. 1. The first
 2. 2. The second
 3. 3. The third
 4. 4. The fourth
 5. 5. The fifth
 6. 6. The sixth
 7. 7. The seventh
 8. 8. The eighth
 9. 9. The ninth
 10. 10. The tenth
 11. 11. The eleventh
 12. 12. The twelfth
 13. 13. The thirteenth
 14. 14. The fourteenth
 15. 15. The fifteenth
 16. 16. The sixteenth
 17. 17. The seventeenth
 18. 18. The eighteenth
 19. 19. The nineteenth
 20. 20. The twentieth
 21. 21. The twenty-first
 22. 22. The twenty-second
 23. 23. The twenty-third
 24. 24. The twenty-fourth
 25. 25. The twenty-fifth
 26. 26. The twenty-sixth
 27. 27. The twenty-seventh
 28. 28. The twenty-eighth
 29. 29. The twenty-ninth
 30. 30. The thirtieth
 31. 31. The thirty-first
 32. 32. The thirty-second
 33. 33. The thirty-third
 34. 34. The thirty-fourth
 35. 35. The thirty-fifth
 36. 36. The thirty-sixth
 37. 37. The thirty-seventh
 38. 38. The thirty-eighth
 39. 39. The thirty-ninth
 40. 40. The fortieth
 41. 41. The forty-first
 42. 42. The forty-second
 43. 43. The forty-third
 44. 44. The forty-fourth
 45. 45. The forty-fifth
 46. 46. The forty-sixth
 47. 47. The forty-seventh
 48. 48. The forty-eighth
 49. 49. The forty-ninth
 50. 50. The fiftieth
 51. 51. The fifty-first
 52. 52. The fifty-second
 53. 53. The fifty-third
 54. 54. The fifty-fourth
 55. 55. The fifty-fifth
 56. 56. The fifty-sixth
 57. 57. The fifty-seventh
 58. 58. The fifty-eighth
 59. 59. The fifty-ninth
 60. 60. The sixtieth
 61. 61. The sixty-first
 62. 62. The sixty-second
 63. 63. The sixty-third
 64. 64. The sixty-fourth
 65. 65. The sixty-fifth
 66. 66. The sixty-sixth
 67. 67. The sixty-seventh
 68. 68. The sixty-eighth
 69. 69. The sixty-ninth
 70. 70. The seventieth
 71. 71. The seventy-first
 72. 72. The seventy-second
 73. 73. The seventy-third
 74. 74. The seventy-fourth
 75. 75. The seventy-fifth
 76. 76. The seventy-sixth
 77. 77. The seventy-seventh
 78. 78. The seventy-eighth
 79. 79. The seventy-ninth
 80. 80. The eightieth
 81. 81. The eighty-first
 82. 82. The eighty-second
 83. 83. The eighty-third
 84. 84. The eighty-fourth
 85. 85. The eighty-fifth
 86. 86. The eighty-sixth
 87. 87. The eighty-seventh
 88. 88. The eighty-eighth
 89. 89. The eighty-ninth
 90. 90. The ninetieth
 91. 91. The ninety-first
 92. 92. The ninety-second
 93. 93. The ninety-third
 94. 94. The ninety-fourth
 95. 95. The ninety-fifth
 96. 96. The ninety-sixth
 97. 97. The ninety-seventh
 98. 98. The ninety-eighth
 99. 99. The ninety-ninth
 100. 100. The hundredth



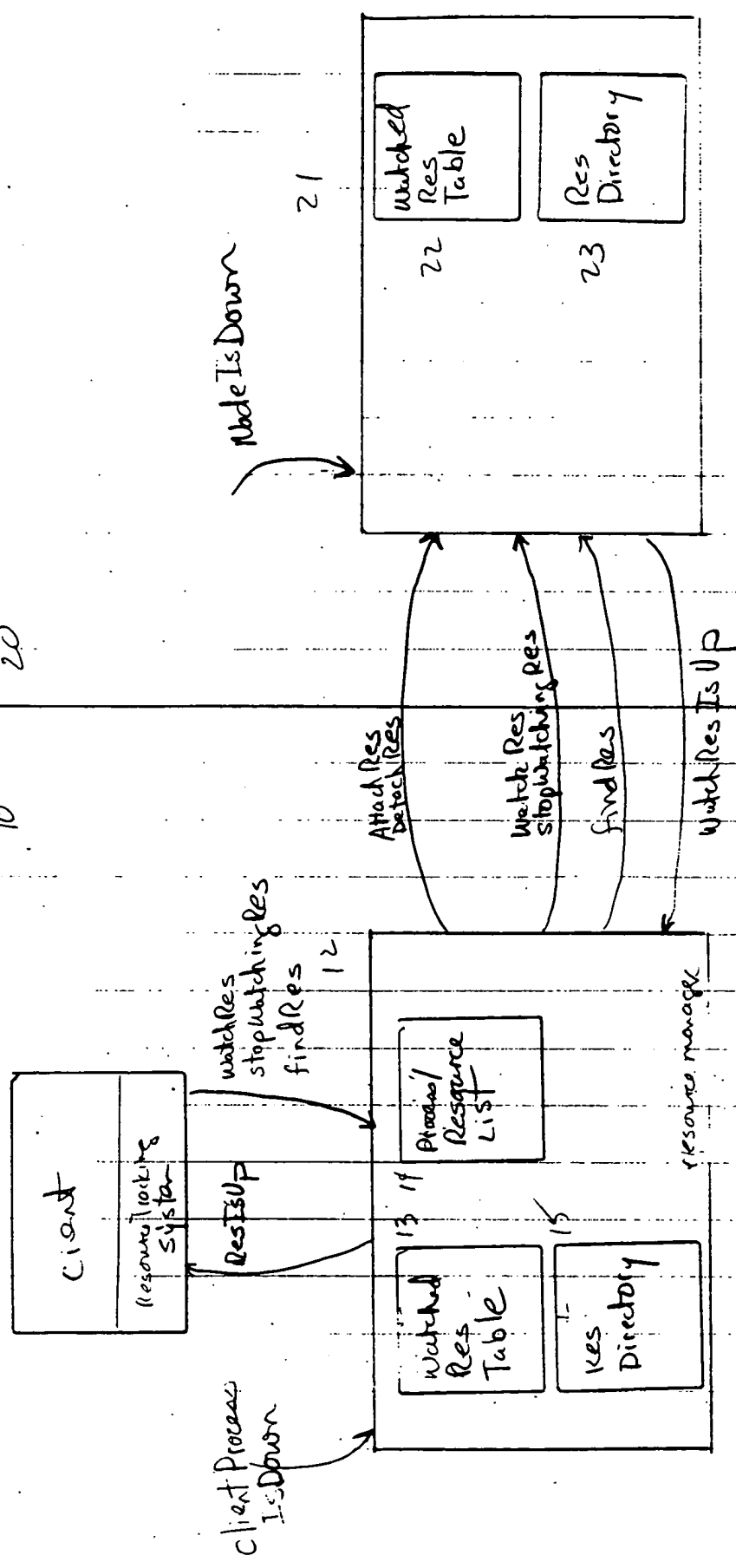


Fig 2B

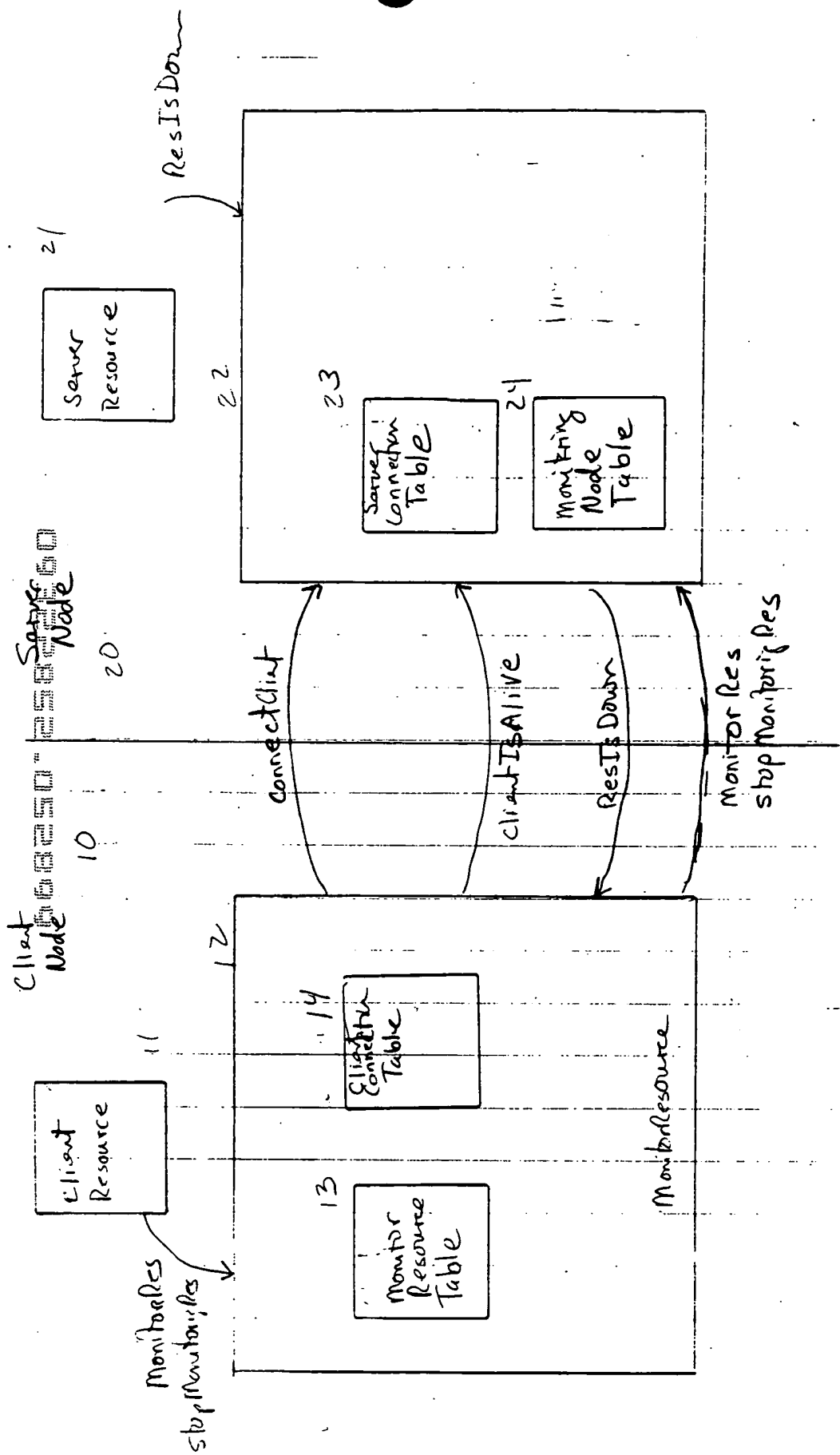
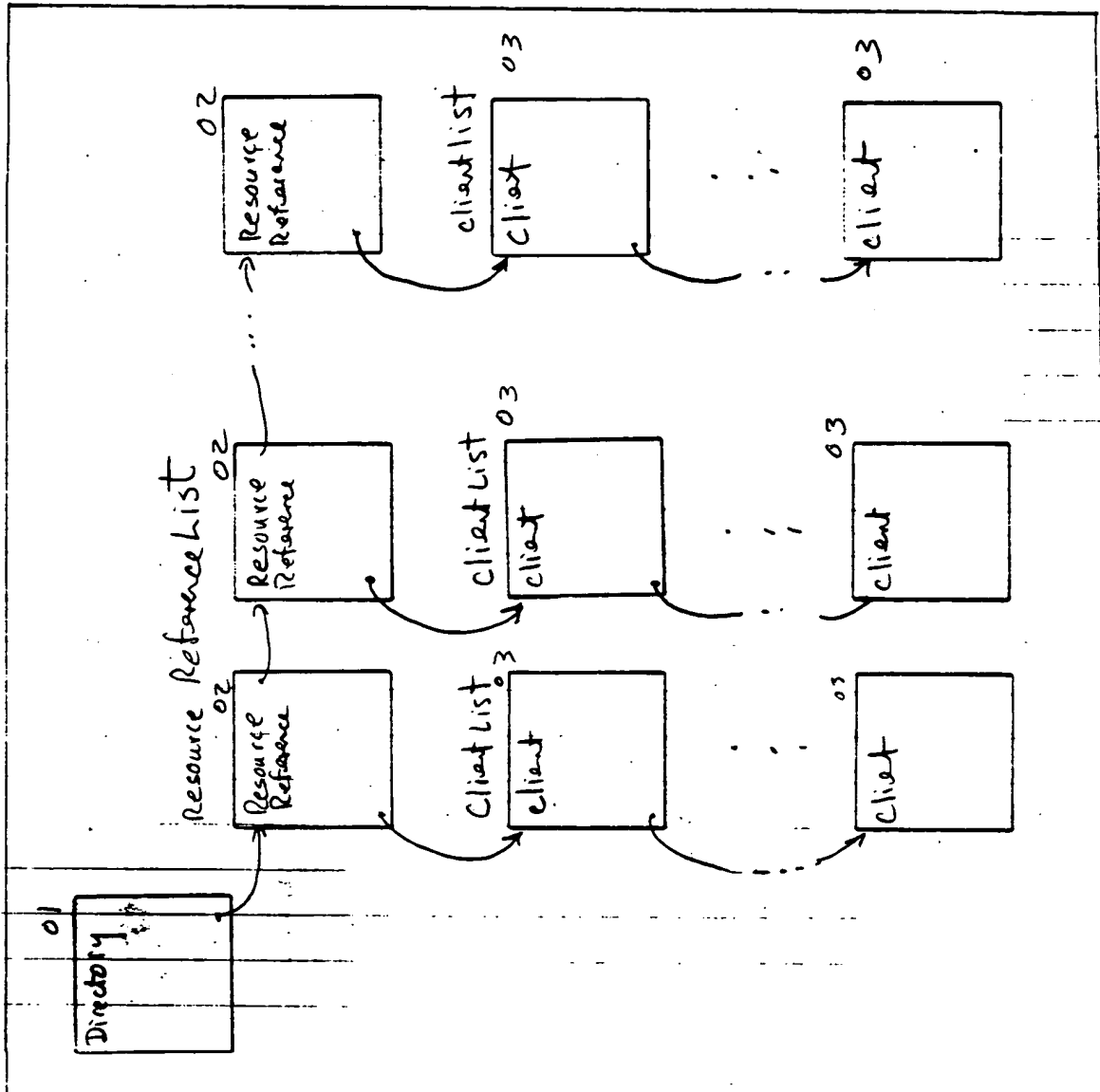


Fig. 2C

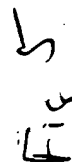


Resource Manager

02	Directory: Watch Res	03	Directory: Stop Watching Res	01b	Monitor Resource
04	Directory: Monitor Res	05	Directory: Stop Monitoring Res	01a	Watch Resource
06	Directory: find Res	07	Directory		

Figure 1 illustrates the experimental setup. A subject is seated at a table, viewing a video screen. A video camera is positioned above the screen. A light source is positioned to the left of the screen. The subject is viewing the video screen, which displays the visual feedback of their hand position. The video camera is positioned above the screen to capture the hand's position. The light source is positioned to the left of the screen to illuminate the hand and the screen.

Directory Object 20



h
li

663250 25822600

Resource Reference Object

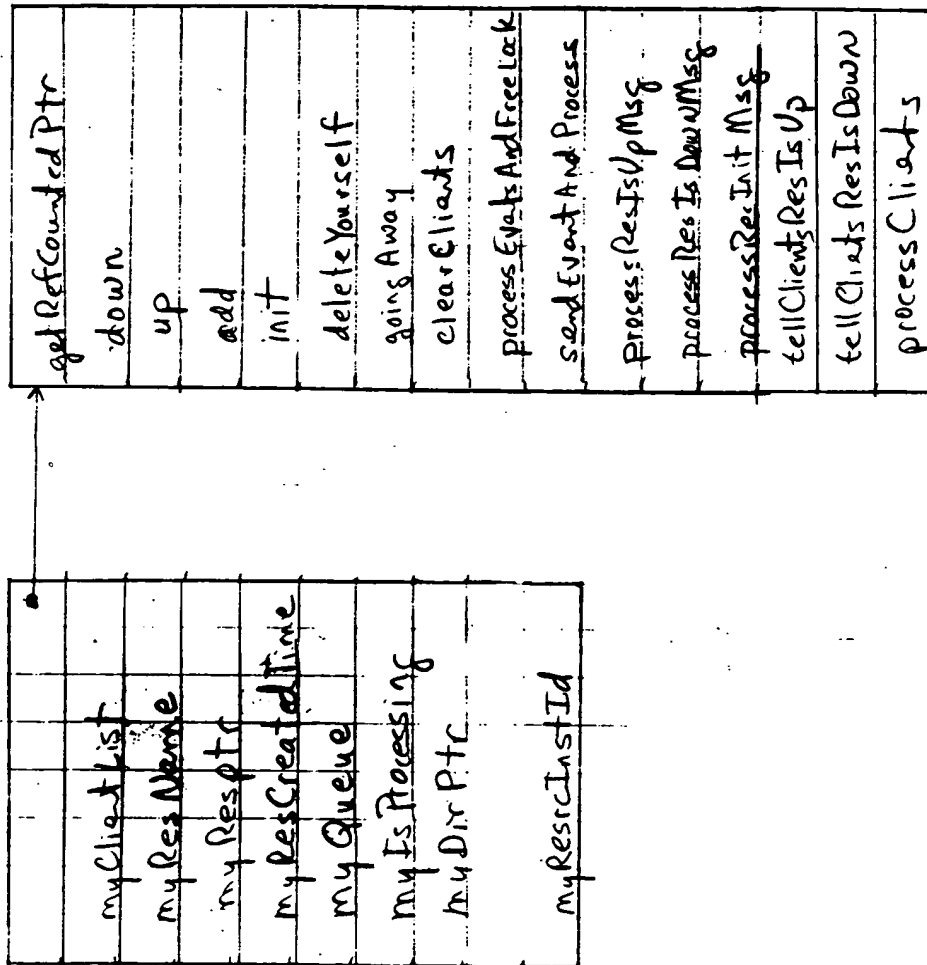
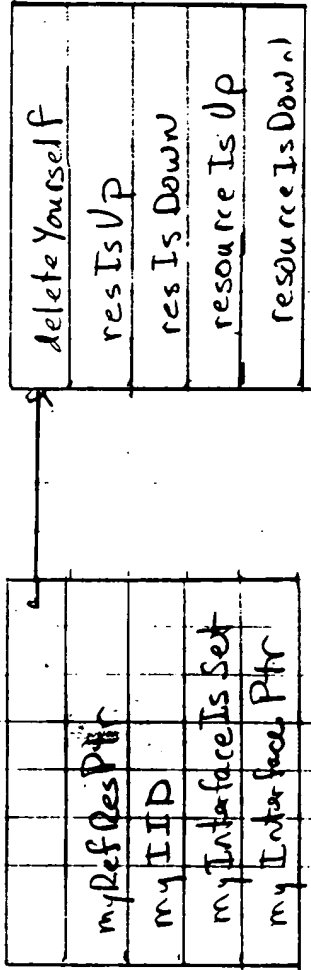


Fig 6

Client Object



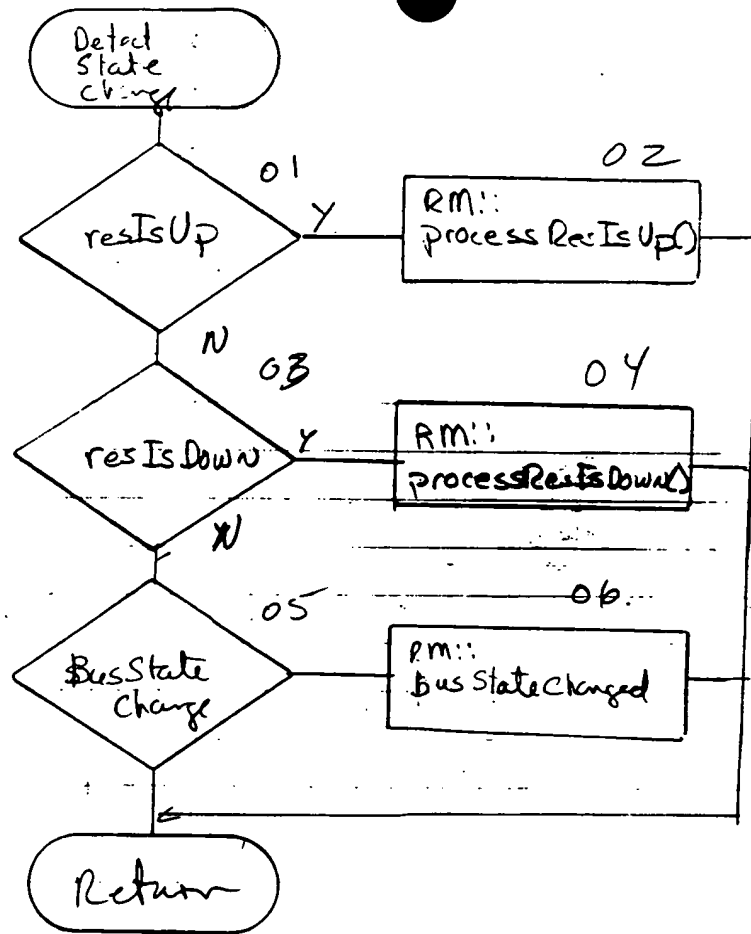


Fig 8

00322850-052200

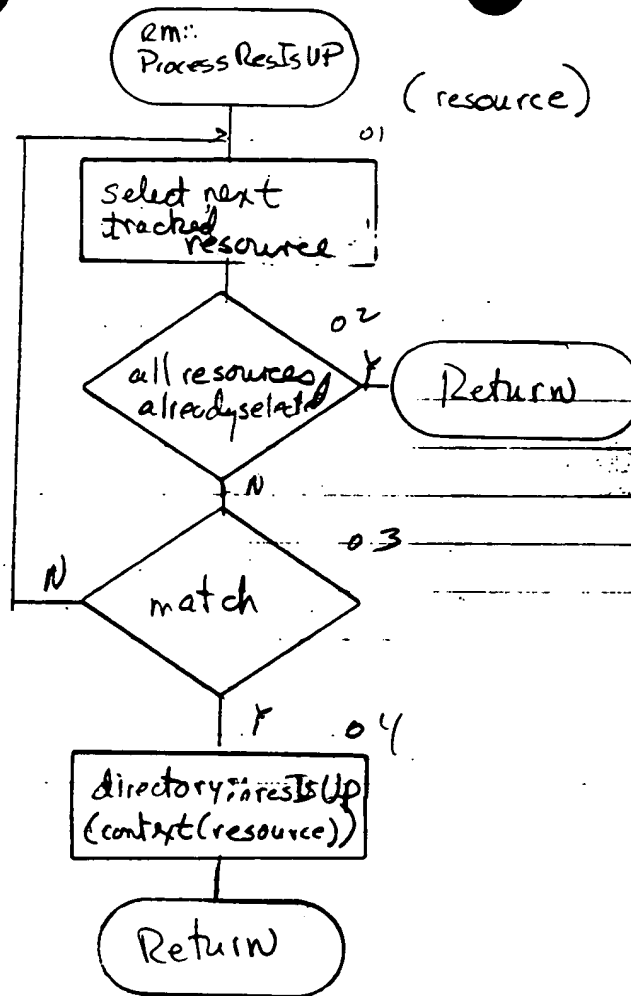


Fig 9

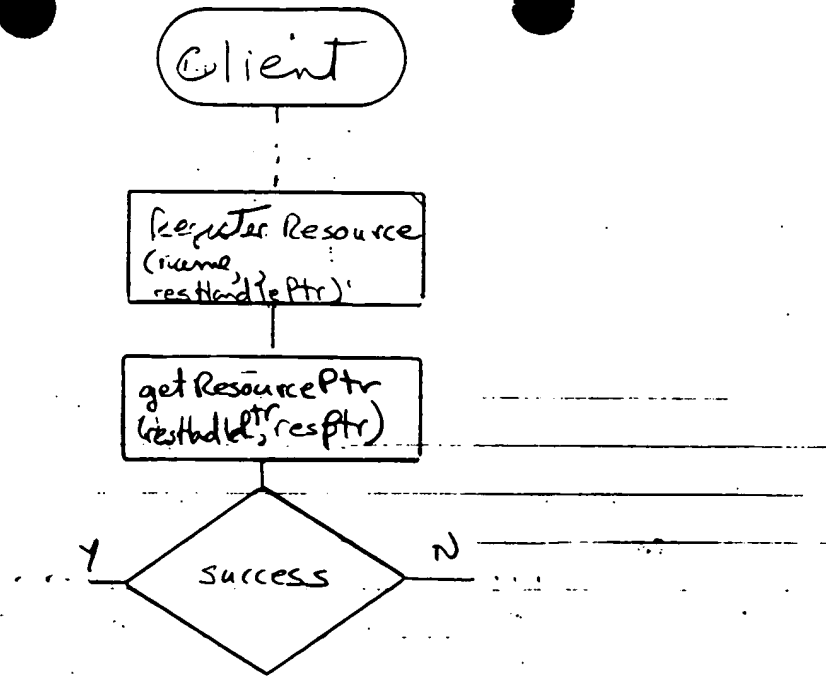


Fig 10

0032852-052800

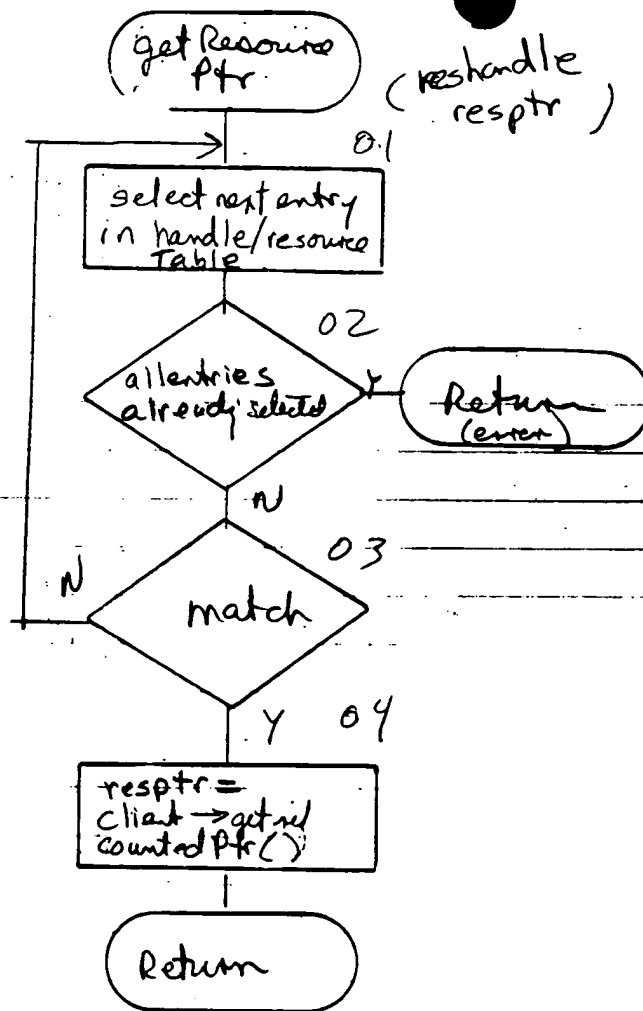


Fig 12

SECRET

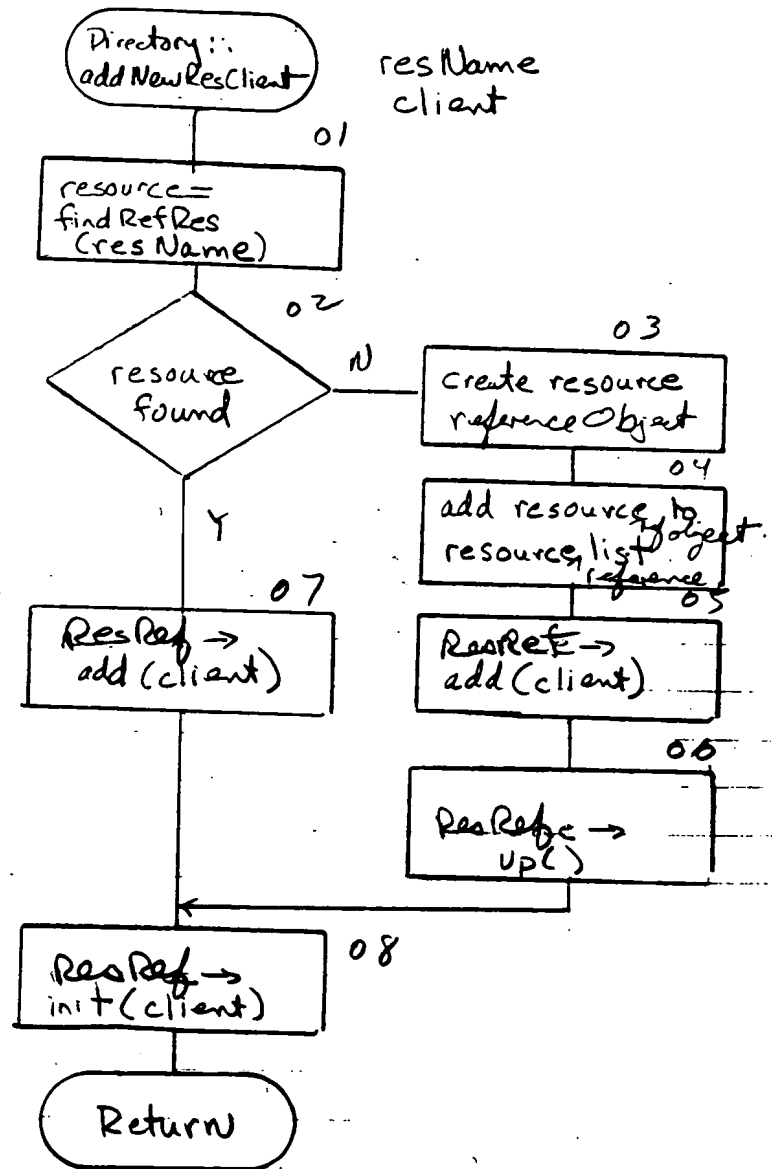


Fig 14

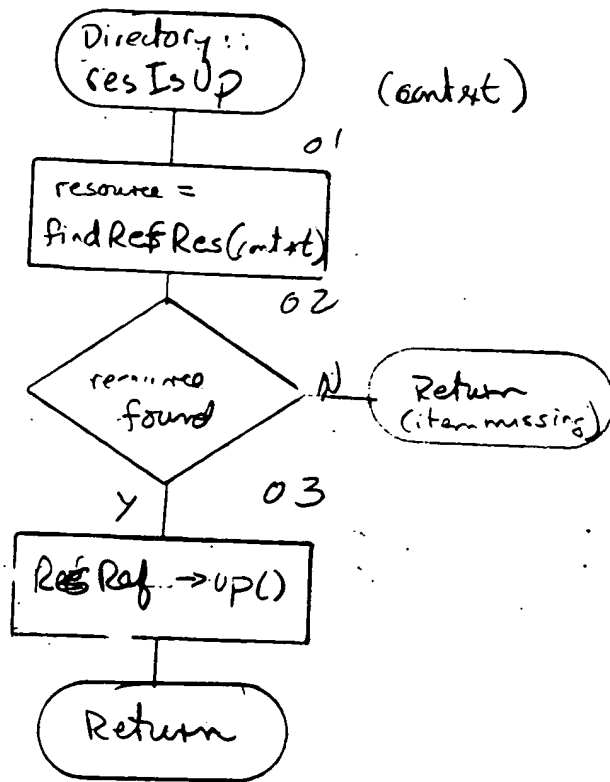


Fig 15

SECRET

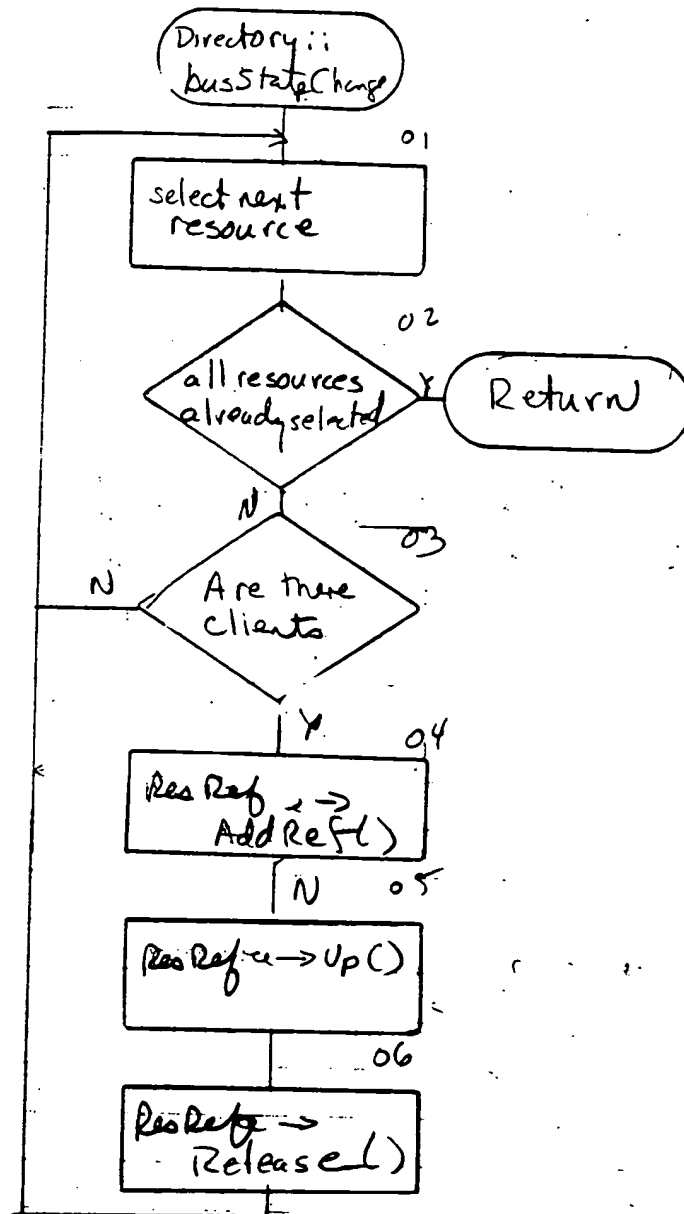


Fig 16

name

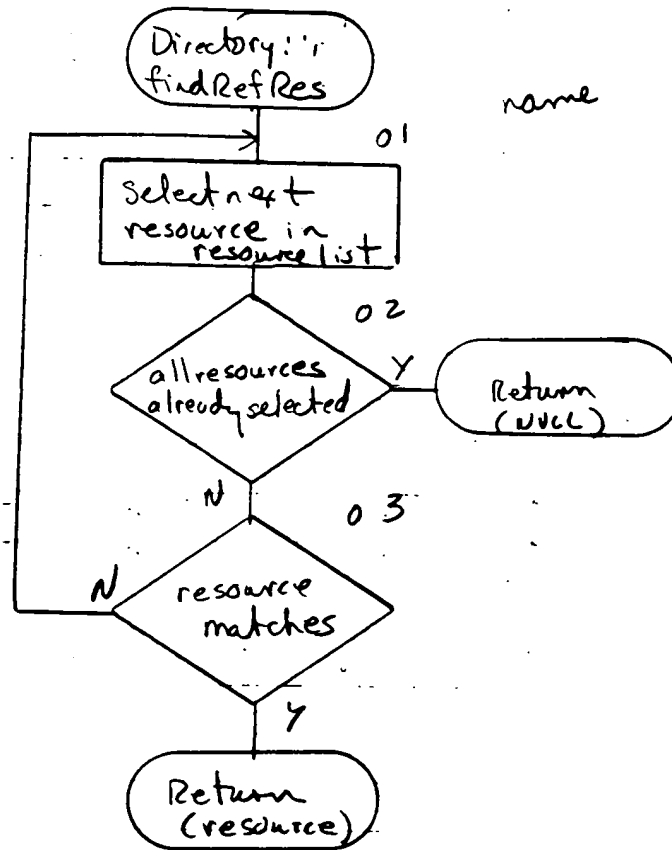


Fig 17-

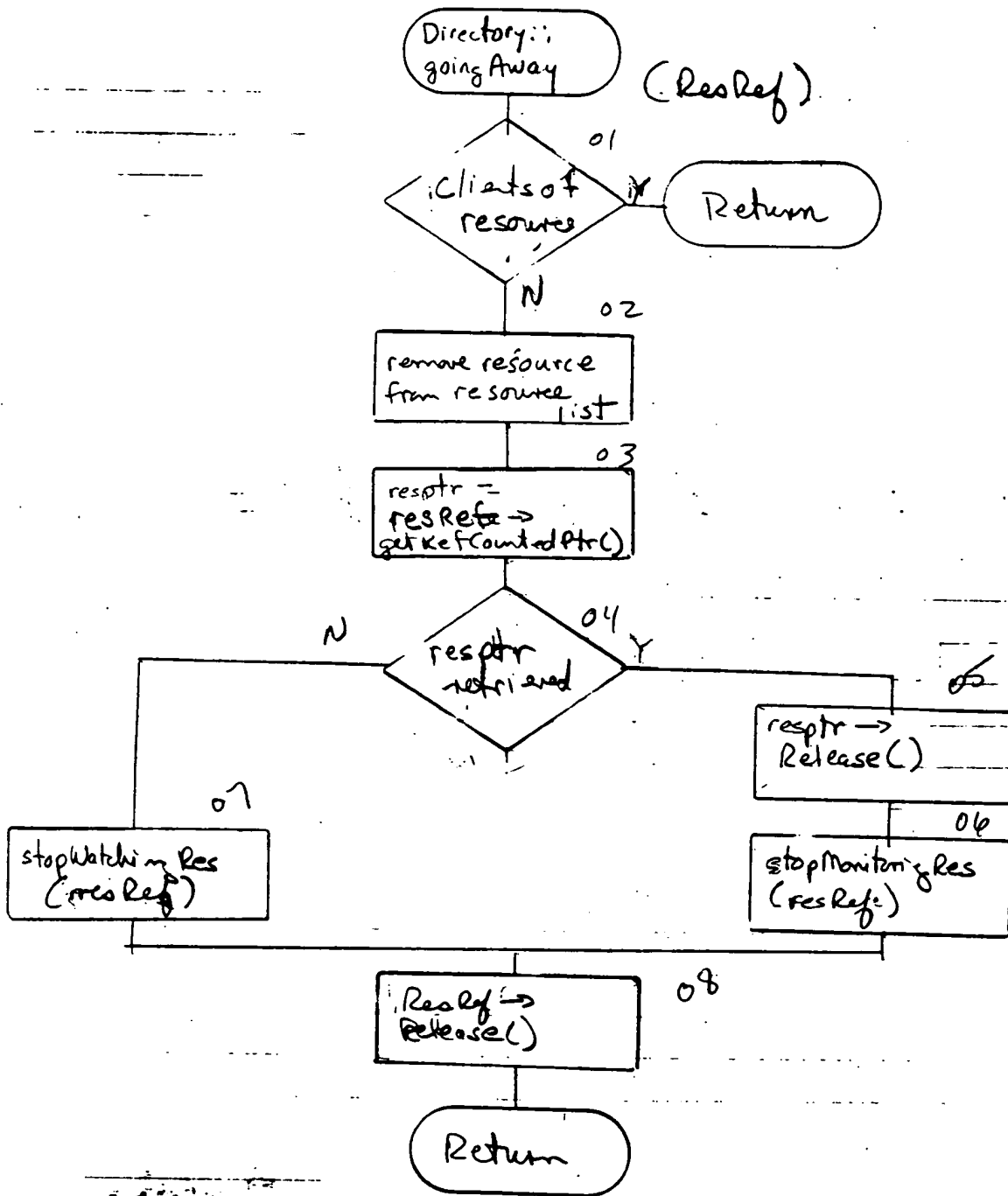


Figure 18

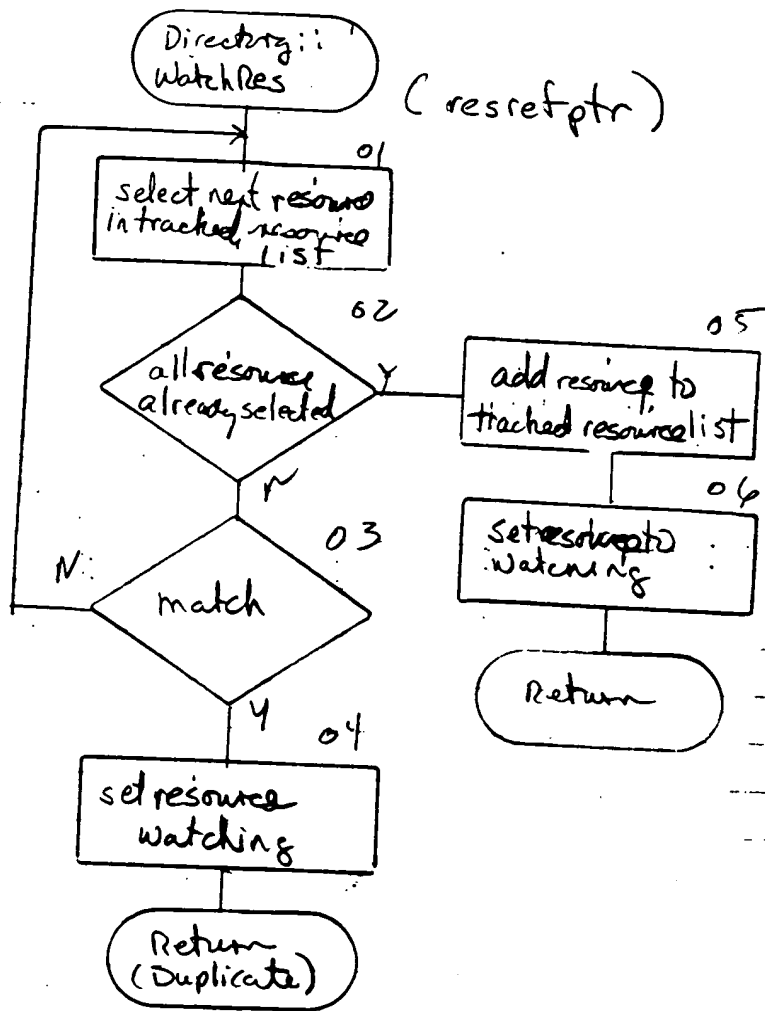
[illegible]

Fig. 19

00322533-052399

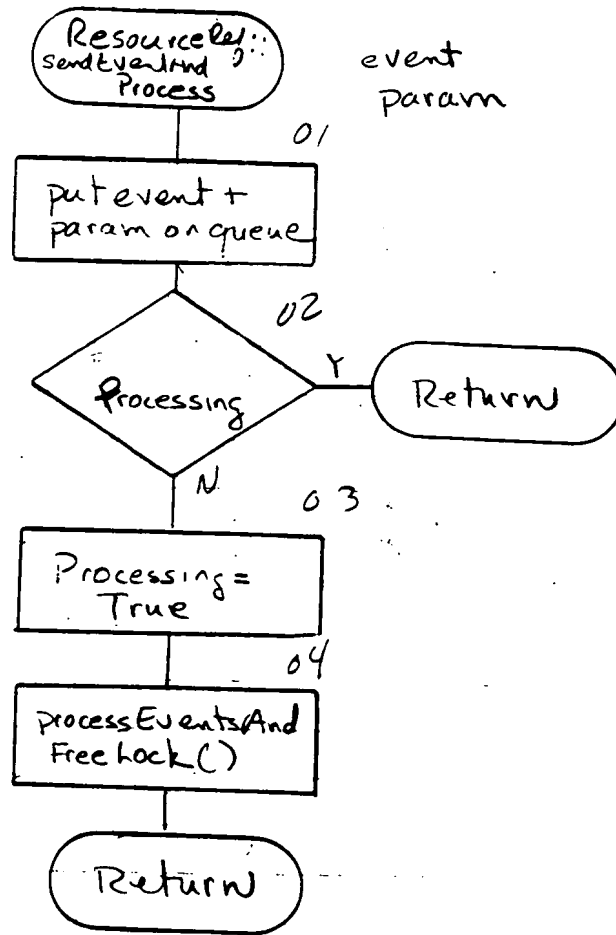


Fig 20

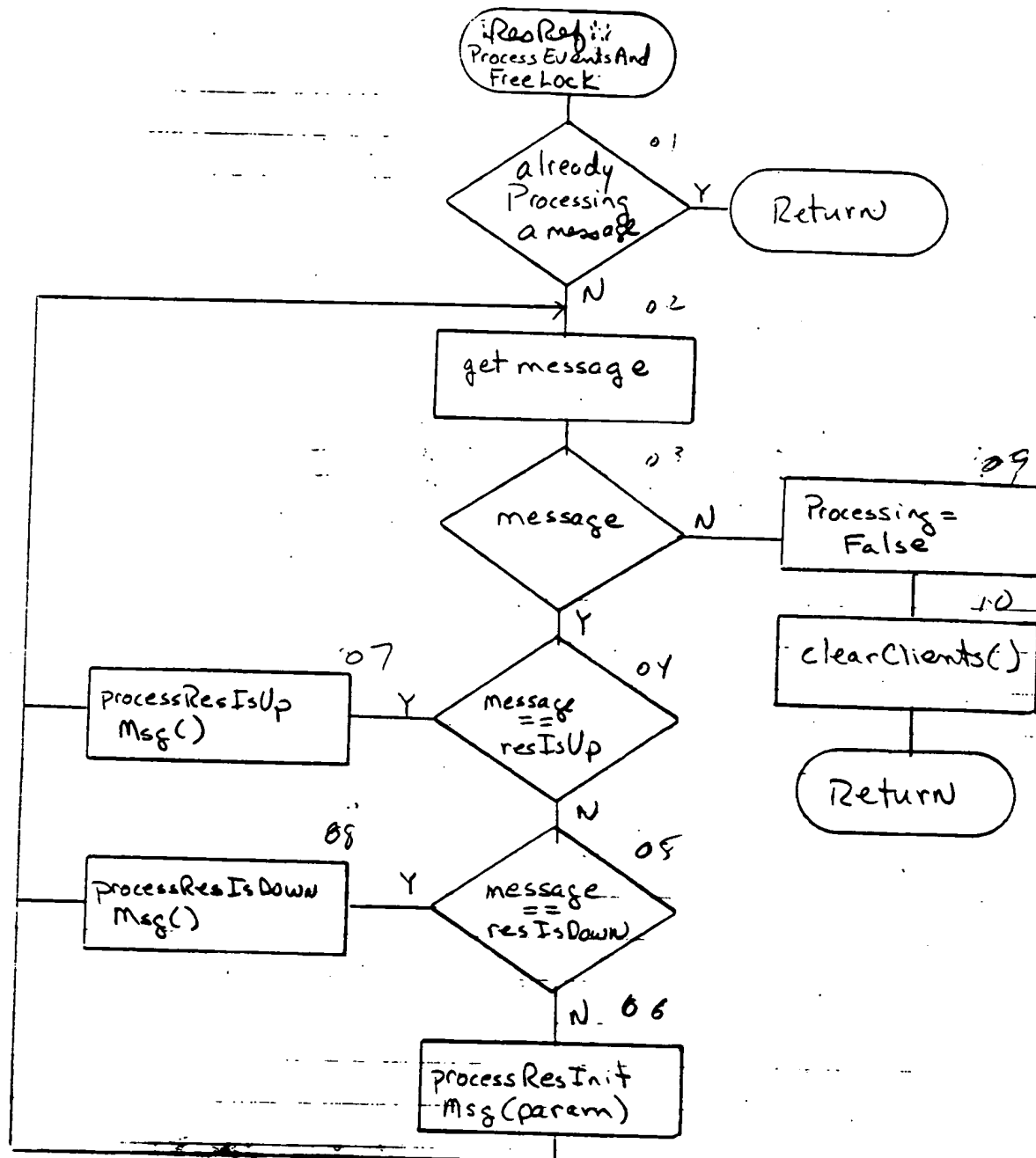
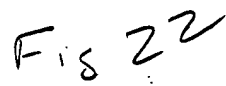


Fig 21



SECRET

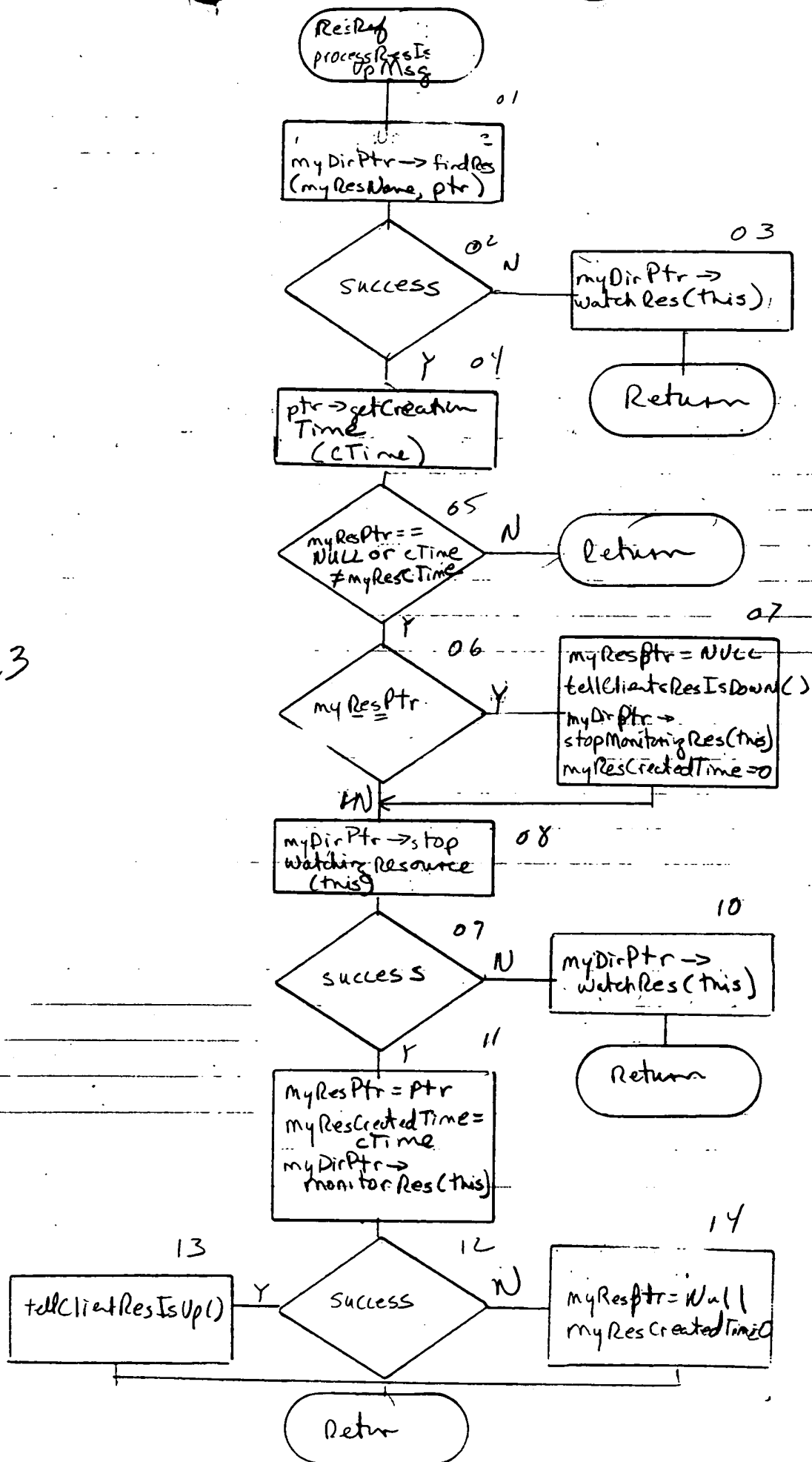
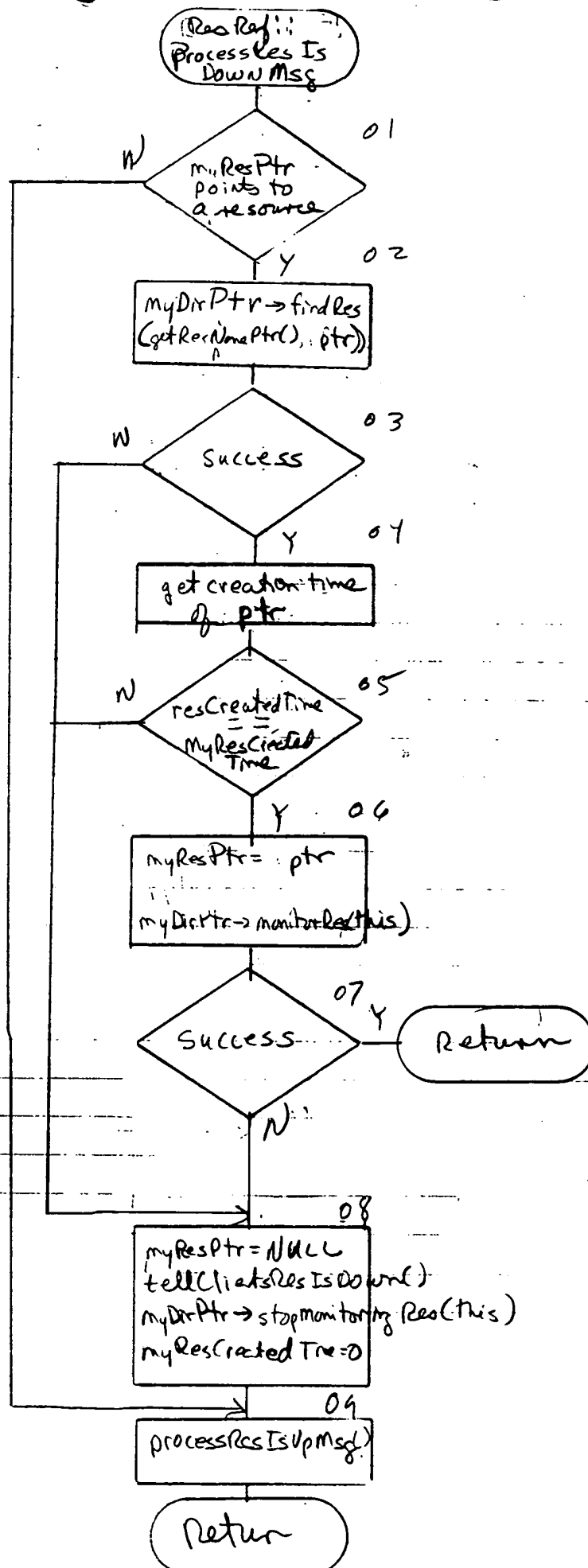


Fig 23



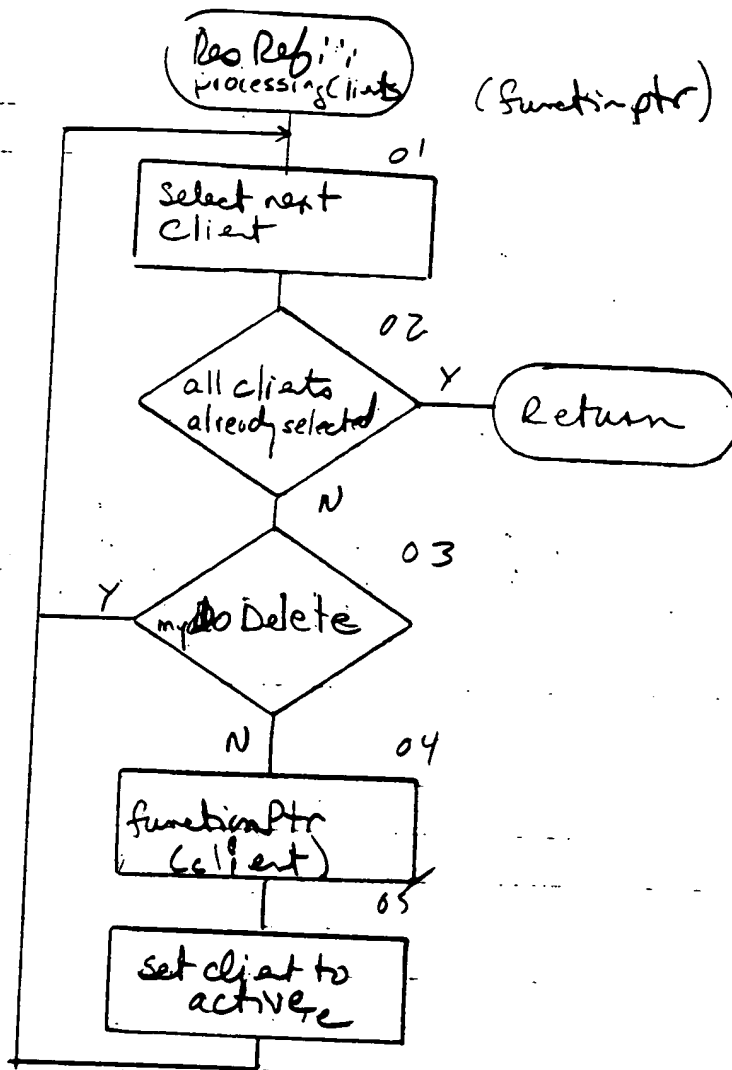


Fig 25

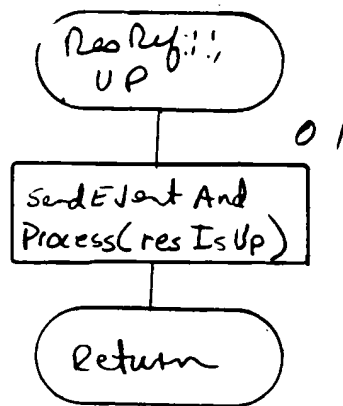


Fig 24

DesRef::
going away (client)



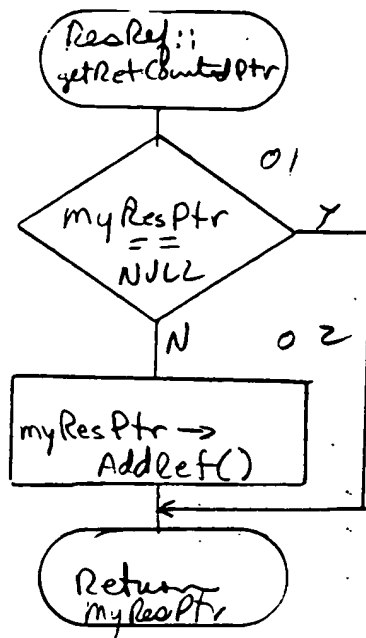
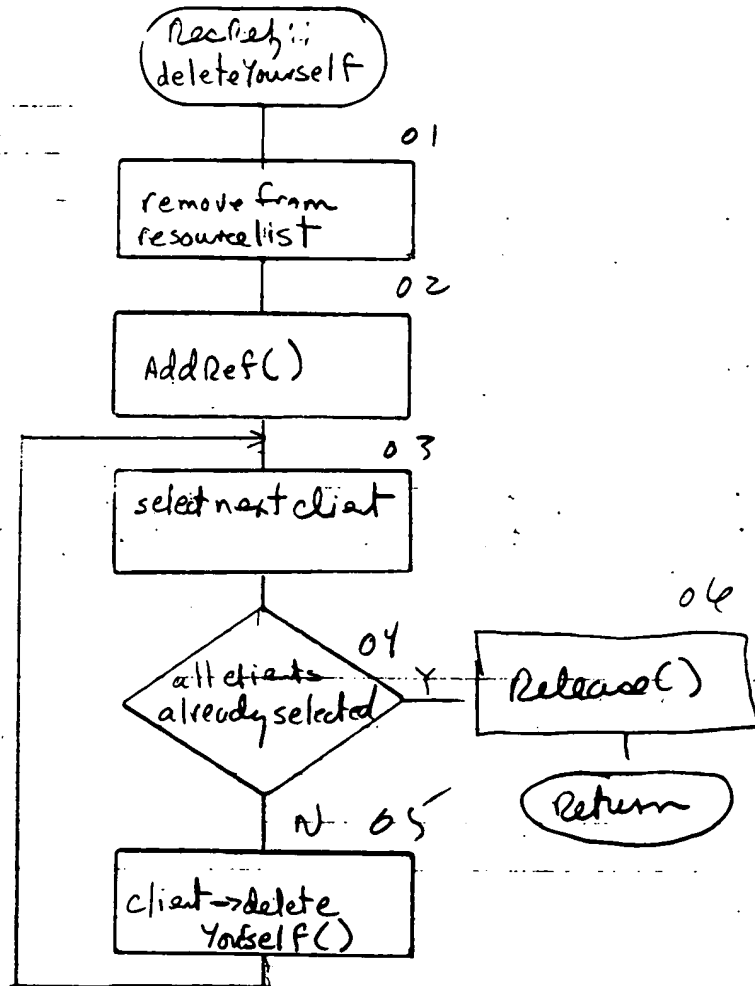


Fig 29.

00000000000000000000000000000000



F. 8. 30

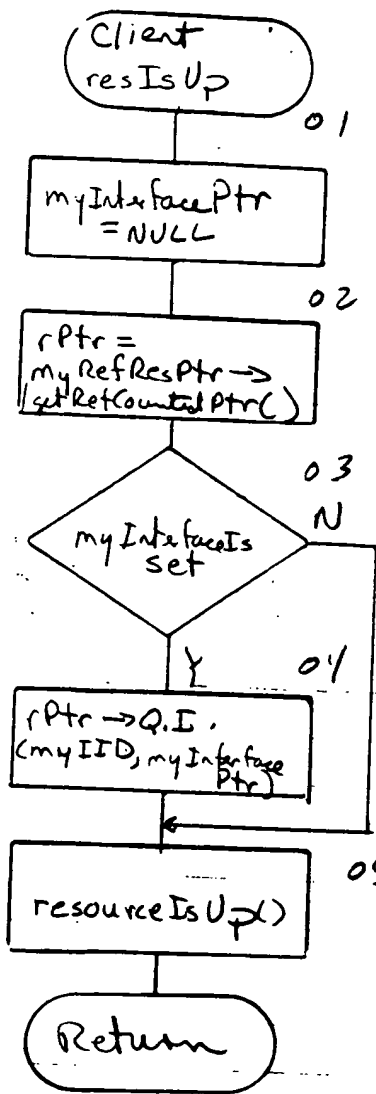


Fig 31

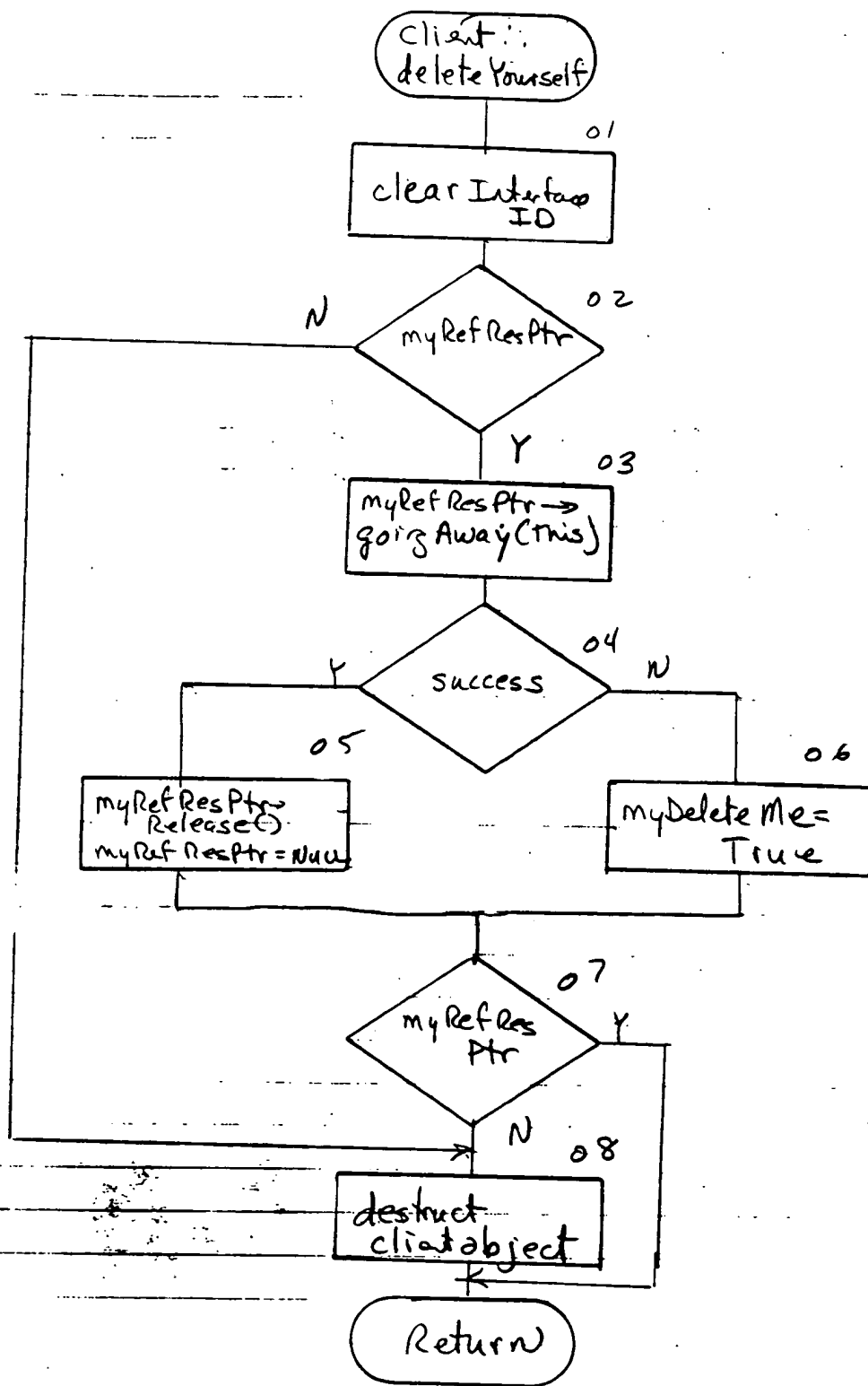


Figure 33

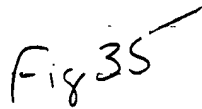
Client::
resourceIsUp

Set resource
is Up flag

Return

34

66250-2522E60



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



SECRET

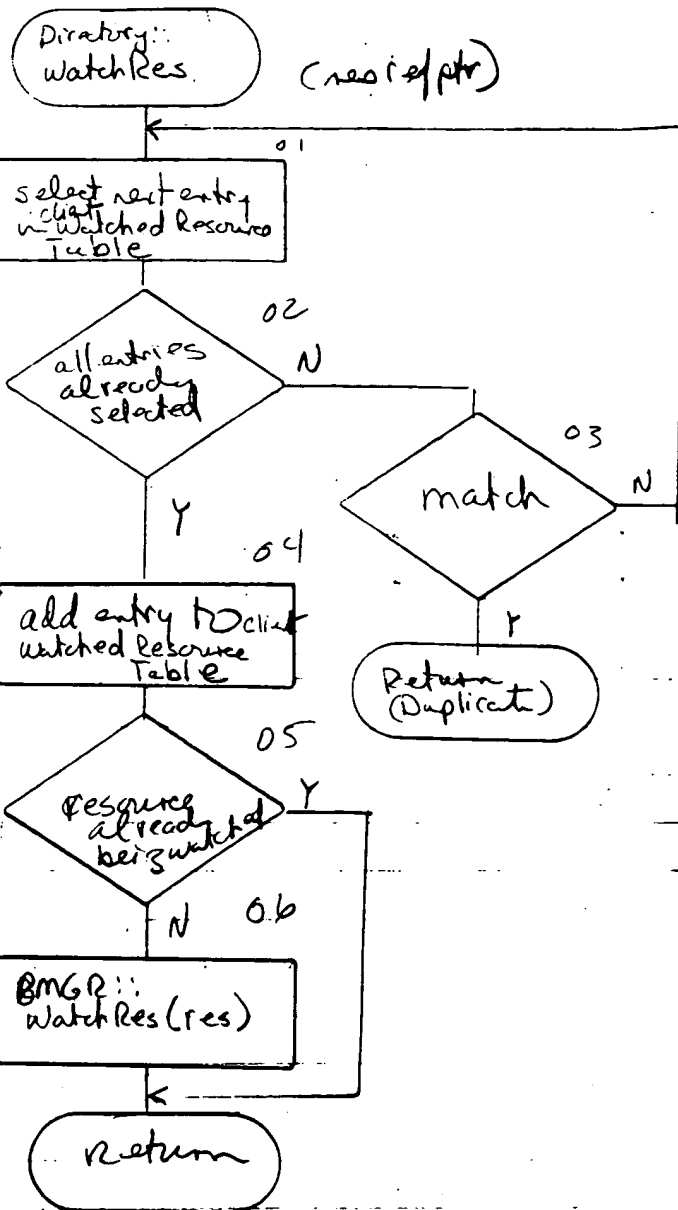


Fig 37

THE UNIVERSITY OF CHICAGO

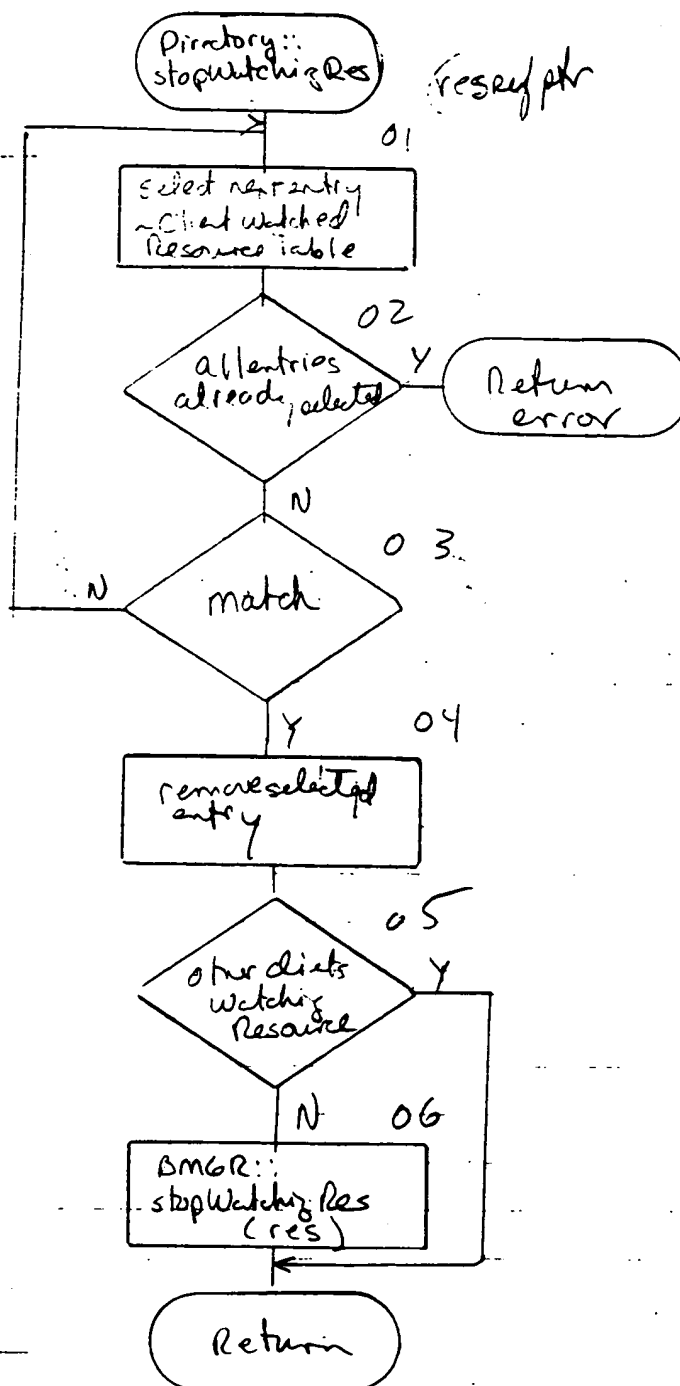


Fig 38

RM:: watchResIsUp (context)

38A01

locate the
context for this
resource

38A02

directly::
resIsUp (context)

Return

Figure 38A

668250-25822660

RM:
 Client Process Is
 Down

01

call BMGR: Detach
 for each resource
 of process

02

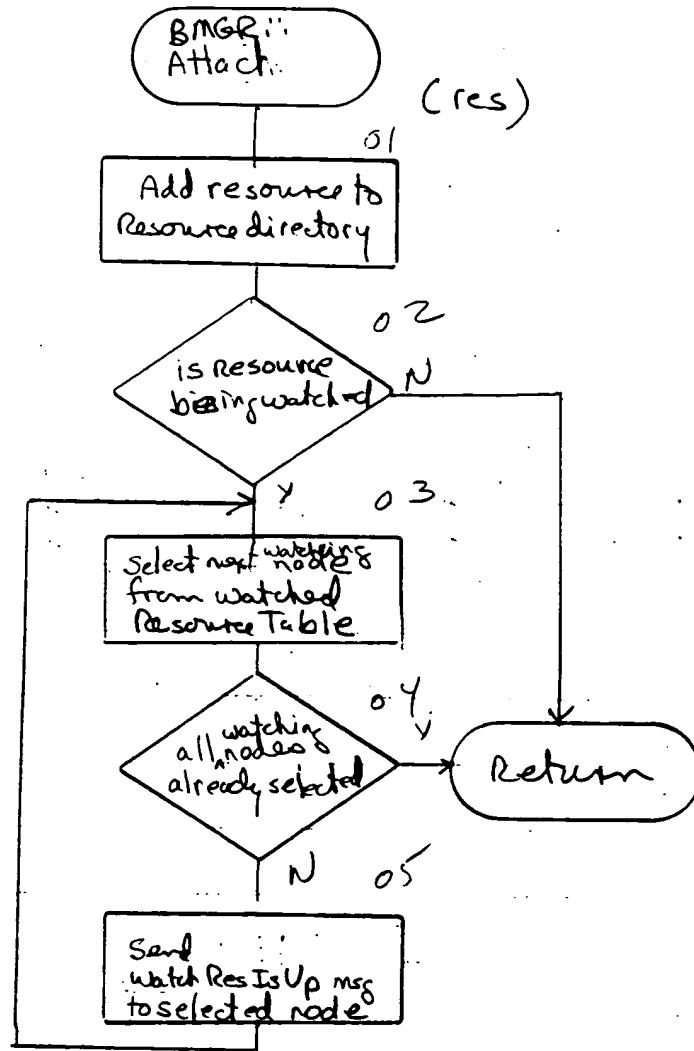
call directory: stop
 watching res for
 all di

Return

Fig 39

66250-25822660

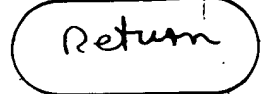
66350-252260





01

00000000000000000000000000000000



44

THE HISTORY OF THE


Directory::
Monitor Res

(res)

01

Use passed resource ptr to identify node

02

Y 

0

Server:
 Conned Client
 (Client ptr,
 client cntxt,
 server cntxt)

Q4

error

Y

05

Process Driver Is
Down

06

add entry to
Client Connection
Table

07

signal to
start sending
client I/O

Q4

Server::
monitors Res
(resource)

Return

Fig 45

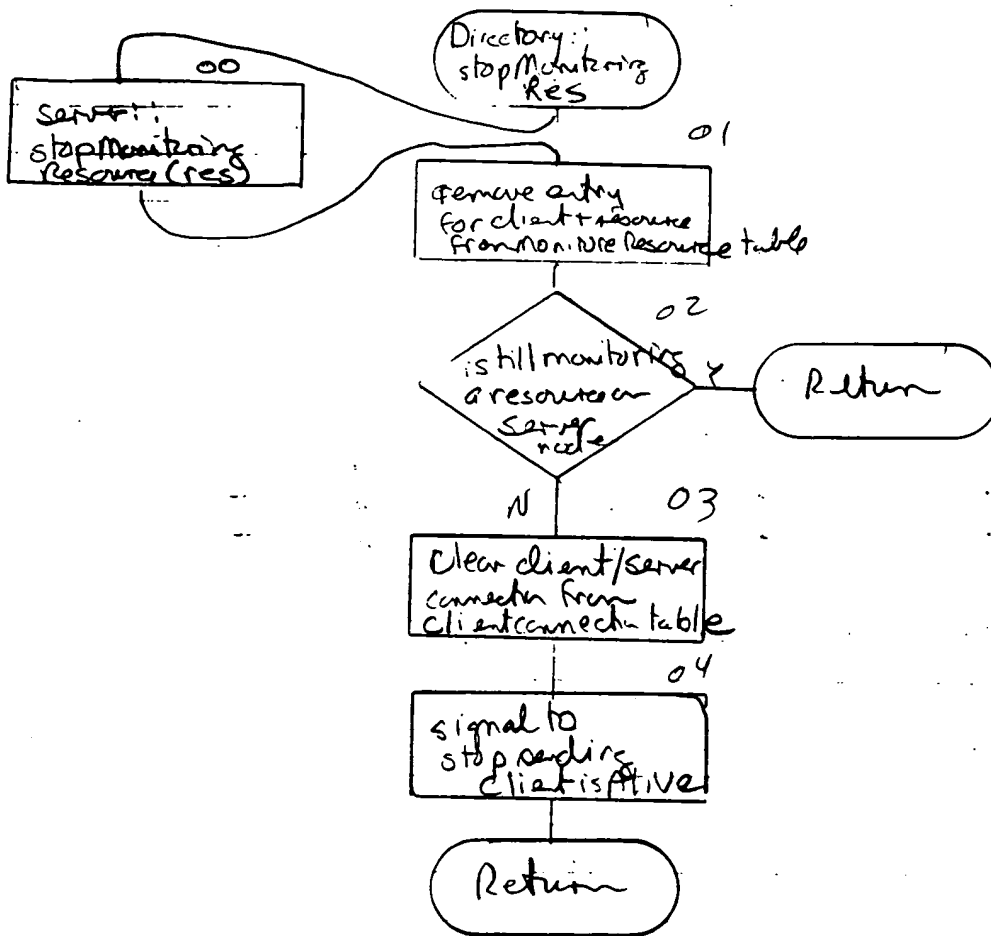


Fig 46

SECRET

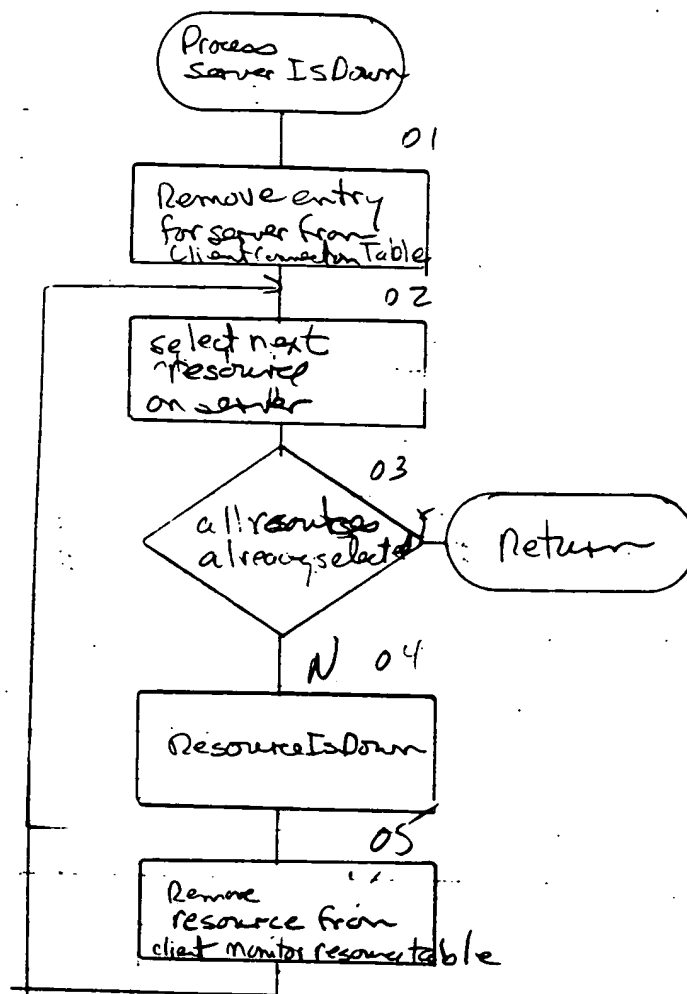
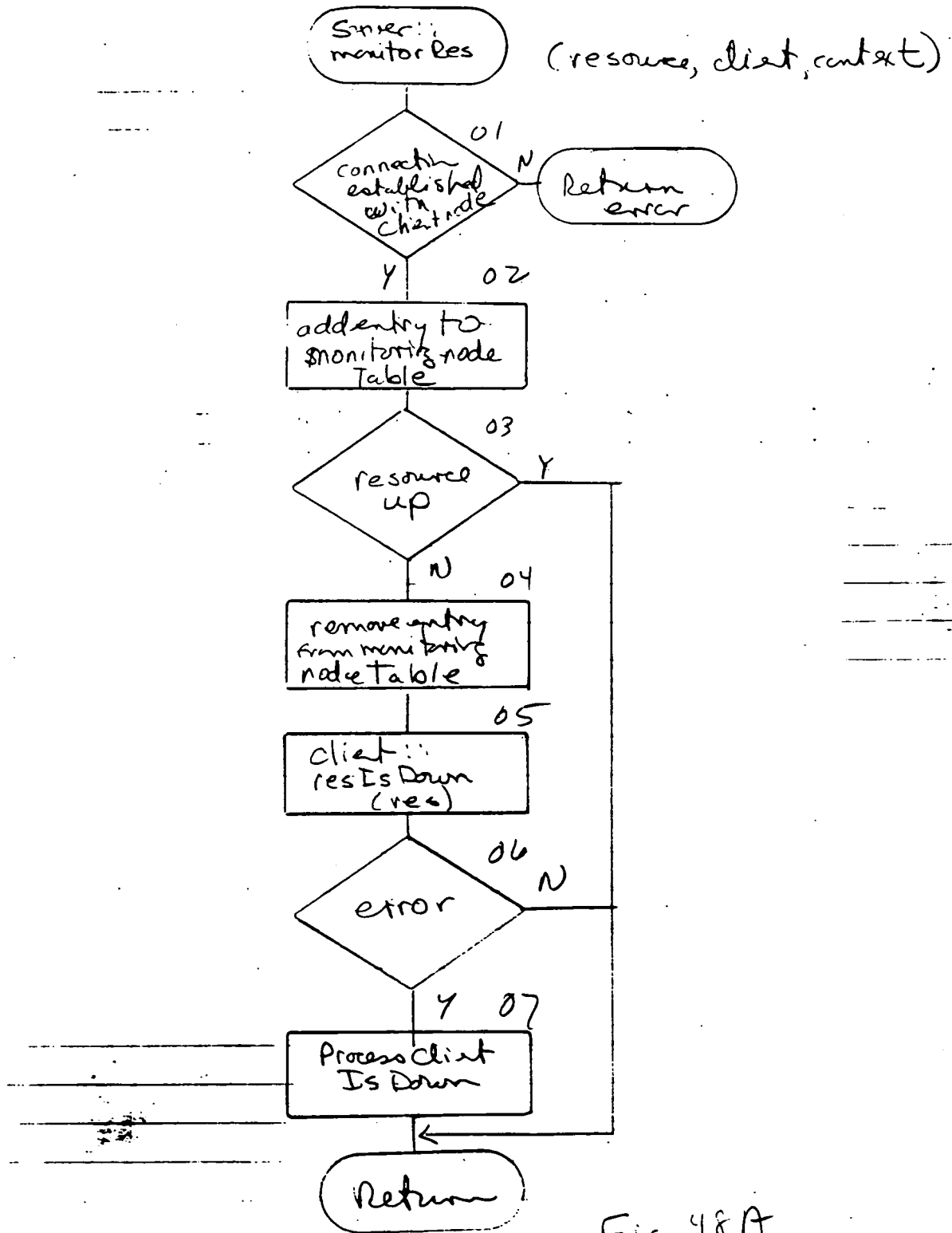


Fig-46A



00000000000000000000

0032250-25822E00



00322852.052899

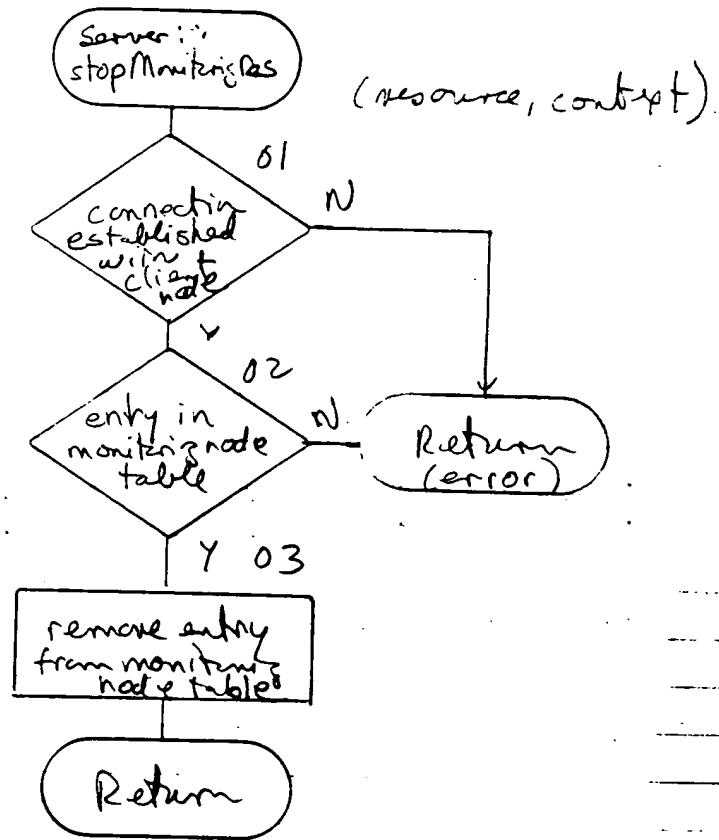
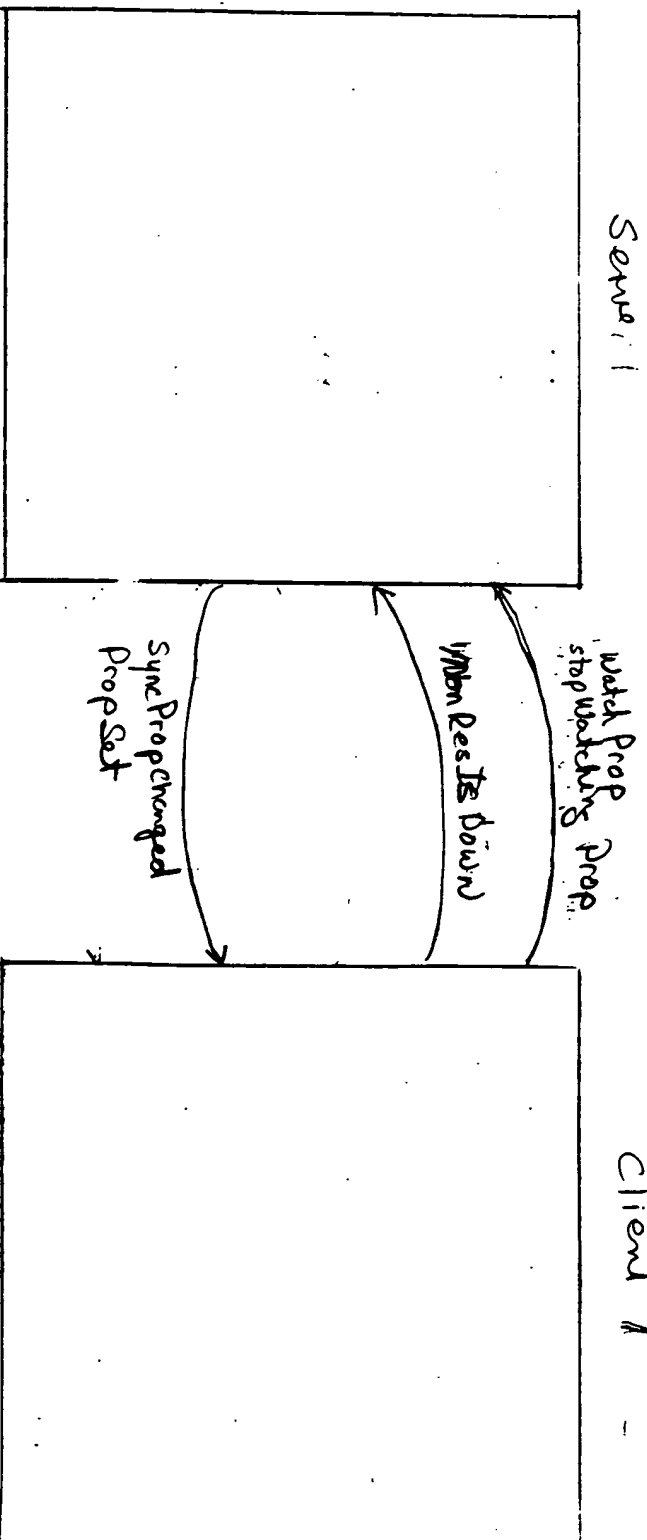


Figure 48B

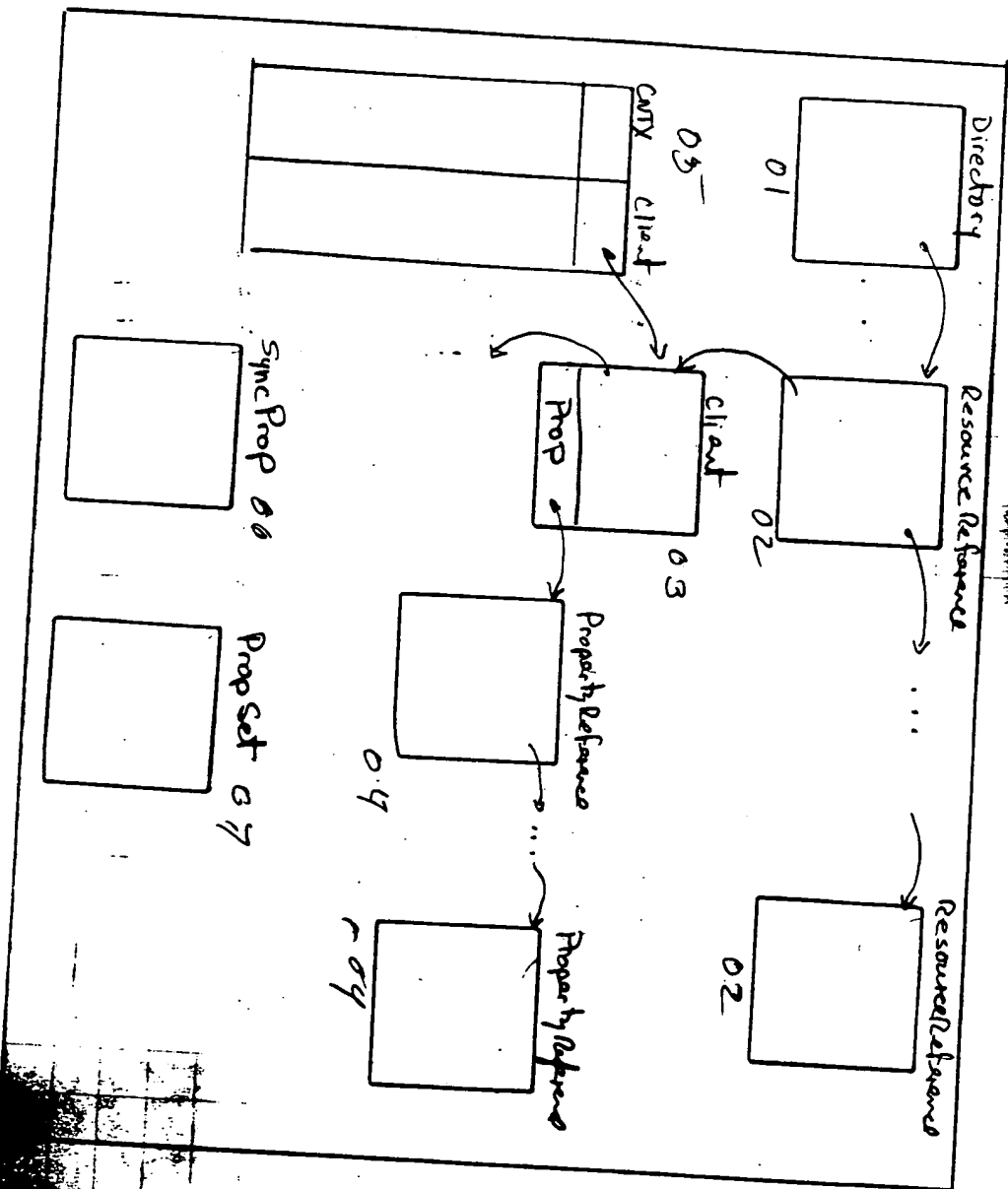


53

09322852-052849

11

Client

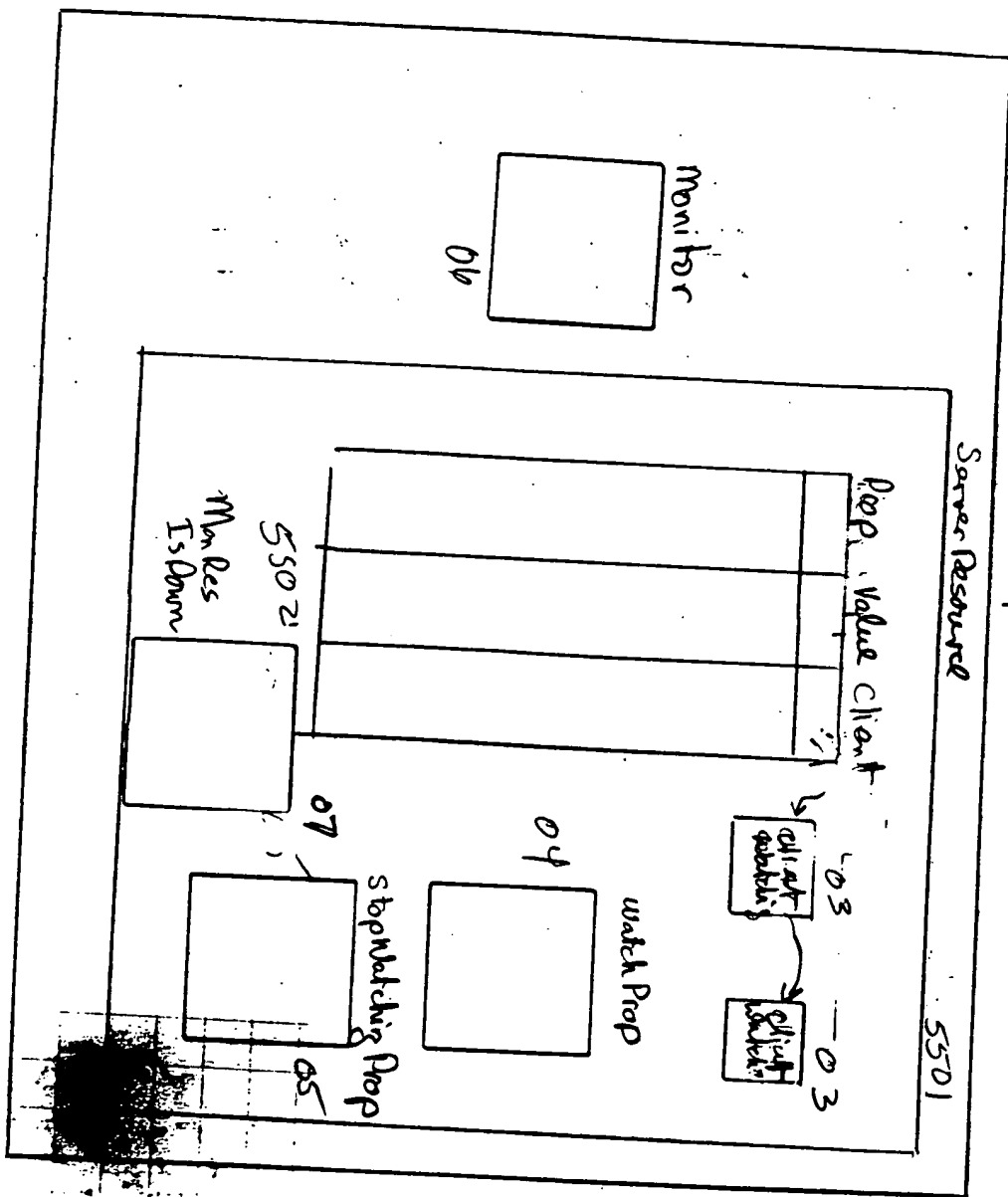


54

Server Mode

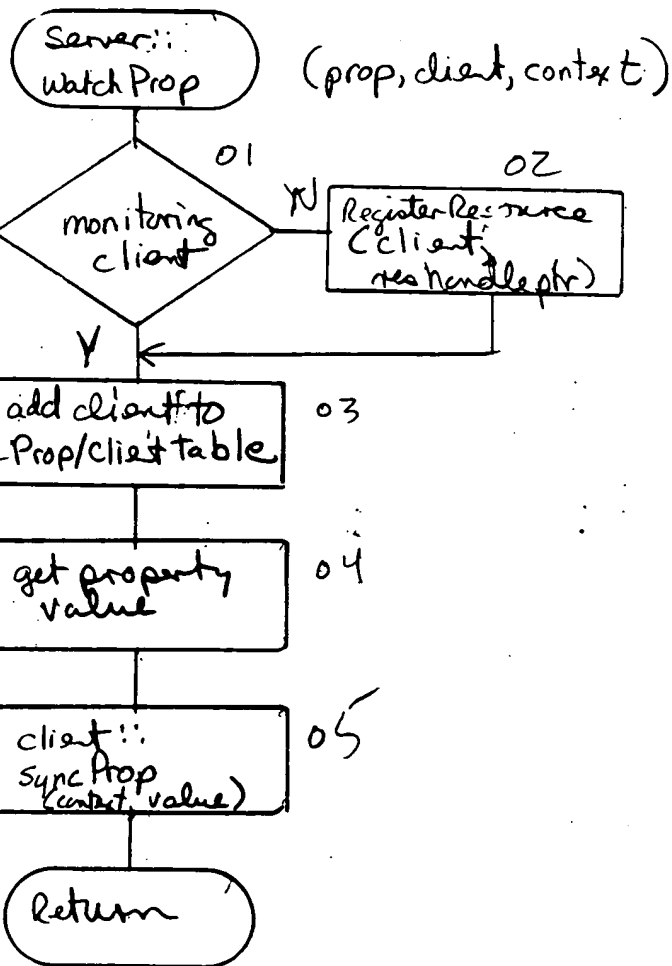
Server Resource

5501



55

09322852.052899



56

Server: (client)
MrResIsDown

01
remove all entries
for dial from
Prop/Client Table

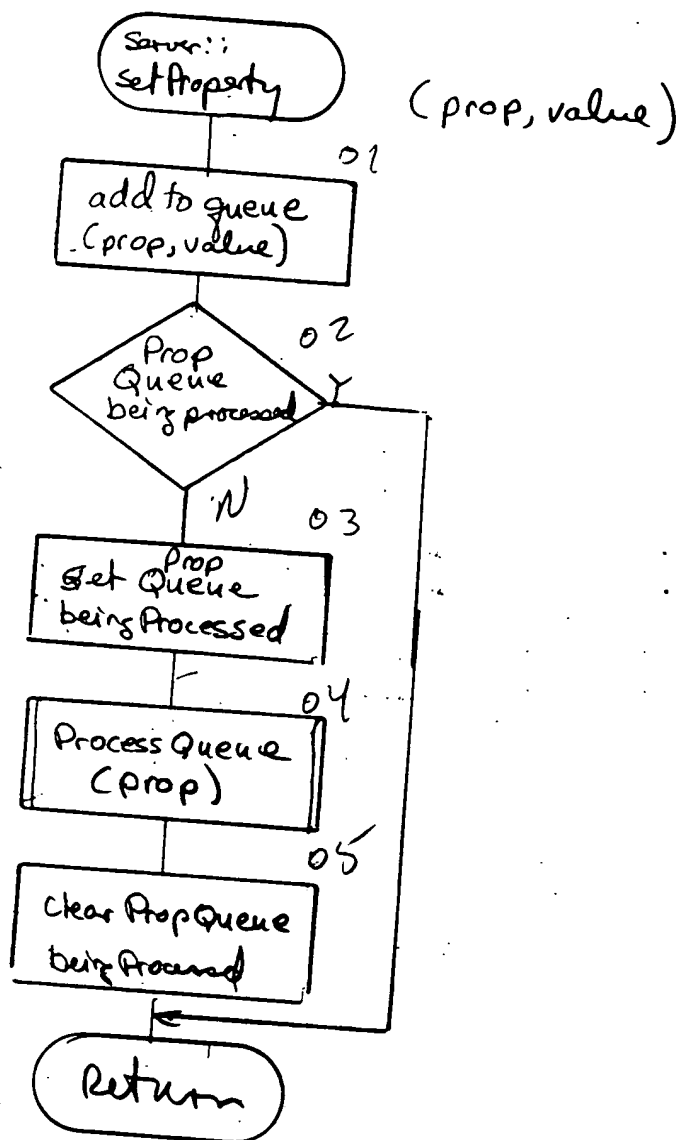
02
UnRegister
(client)

Return

59

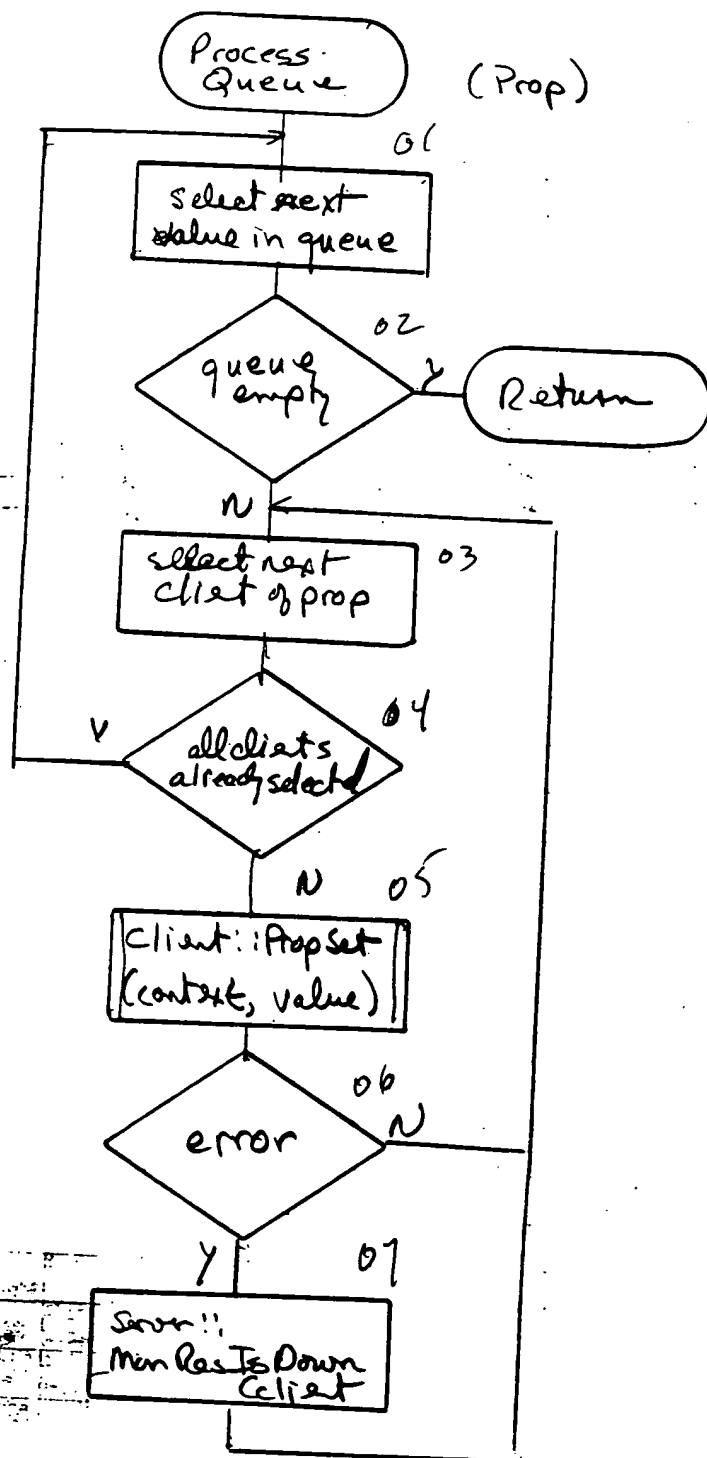
05322852.052809

SECRET



59

09322852.052809



Register Watch

already watching property

1

02

create context

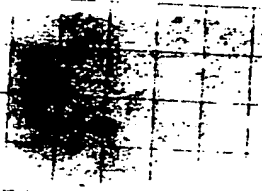
```
server::watchProp  
(prop, context
```

addict addict
belyat

add entry to
context/prop table

add property
to

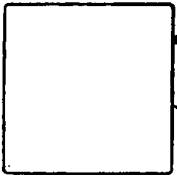
6 r



Client Node

client

01

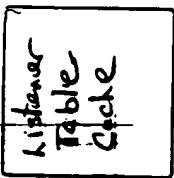
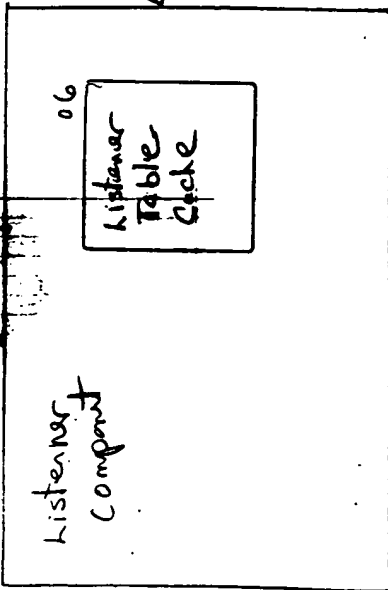


listener (type)
stop listening (type)

Event Notify (event info)

Listener
Component

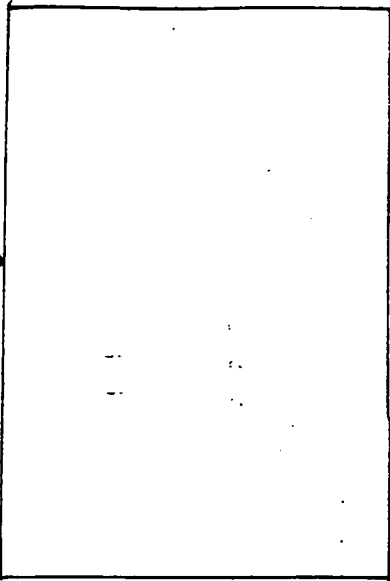
03



06

Bus State (log)

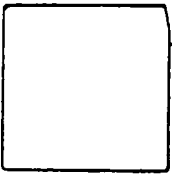
04



Post (event info)

server

02



Event
Notify
(event info)

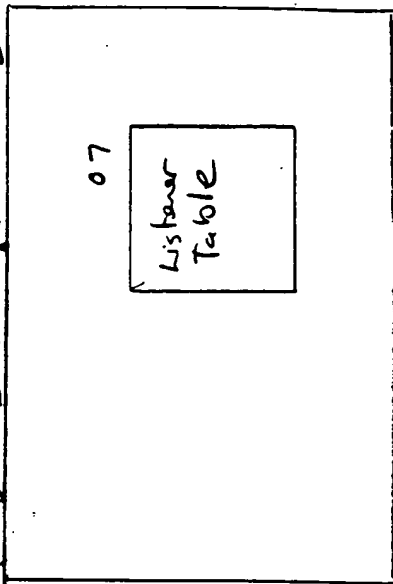
listener (type)
stop listening (type)

Listener

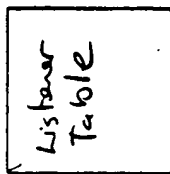
Bus Manager

Post (event info)

05



07



Listener
Table

Node Is
Down

Fig 63